

# Interns or Workers? China's Student Labor Regime

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## Abstract

In the summer of 2010, Taiwanese-based Foxconn Technology Group—the world's largest electronics manufacturer—utilized the labor of 150,000 student interns from vocational schools at its facilities all over China. Foxconn is one of many global firms utilizing student intern labor. Far from being freely chosen, student internships are organized by the local state working with enterprises and schools, frequently in violation of the rights of student interns and in violation of Chinese law. Foxconn, through direct deals with government departments, has outsourced recruitment to vocational schools to obtain a new source of student workers at below minimum wages. The goals and timing of internships are set not by student educational or training priorities but by the demand for products dictated by companies. Based on fieldwork in Sichuan and Guangdong between 2011 and 2012 and follow-up interviews in 2014, as well as analysis of the Henan government's policies on internships, we find that the student labor regime has become integral to the capital-state relationship as a means to assure a lower cost and flexible labor supply for Foxconn and others. This is one dimension of the emerging face of Chinese state capitalism.

## Keywords

student labor, state capitalism, internship, vocational school, Foxconn Technology Group

## I. Introduction

"My original plan was to seek an internship at Huawei Technologies, but our teacher persuaded my whole class of 42 students to

intern at Foxconn Technology Group," a student from a vocational school in Sichuan's Mianyang city recalled. Under pressure from the Sichuan government to fulfill a quota for interns at Foxconn in 2010, the teacher was directed to recruit entire classes and overcome student objections to taking Foxconn internships. "During the night shift, whenever I look out in that direction [pointing to the west], I see the big fluorescent sign of Huawei shining bright red, and at that moment, I feel a pain in my heart," she said before sinking into a long silence. Huawei (founded in Shenzhen as a private-sector firm in 1987) and Foxconn (founded in Taipei in 1974 and incorporated in Shenzhen as a Taiwanese-invested enterprise in 1988) have headquarters on opposite sides of the Meiguan Expressway in Longhua Town, Shenzhen City. Although neither the intern nor we can verify whether the internship program offered by Huawei would have been any better than that at Foxconn, she regretted her inability to choose her internship site (Fieldwork in Shenzhen City, Guangdong Province, April 2011).

Who are the interns? How are they recruited and managed at the workplace? In this article we show the processes by which companies, vocational schools, and local governments jointly carry out "internship programs" that turn large numbers of teenage students into factory workers. We attempt to explain the emergence of this student labor regime in the context of China's rising manufacturing costs and intensified competition among companies for employees in global production. Analyzing the organization of student internships, we look into the pivotal role of transnational capital and its ability to secure privileged access to labor in

negotiation with the Chinese state. The active cooperation of provincial and lower level governments in circumventing labor law restrictions, and ensuring corporate access to a lower cost and flexible supply of student labor (*xueshenggong* 學生工), is fundamental to the contemporary Chinese labor regime.

Our primary research is based on multiple fieldtrips to Foxconn's largest assembly facilities in Sichuan (Chengdu City) and Guangdong (Shenzhen City) between 2011 and 2012, and follow-up visits in Shenzhen in August 2014, supplemented with inquiries made to senior company executives between December 2013 and April 2014.<sup>1</sup> Drawing on interviews with 38 interns and 14 teachers, who were dispatched from eight vocational schools (based in Sichuan and Henan provinces) to Foxconn factories for internships, we also conducted documentary analysis of the Henan government's major policies on student internships and employment. There has been scant scholarly attention to student interns as temporary or contingent labor, leaving unexamined an important dimension of the precarity of Chinese labor that is the product of the triangular relationship linking capital, the local state, and vocational schools in internship programs. In the following we review the changing labor market and ongoing legal reforms and structural transformation in China. We then present the findings of our study of the Foxconn internship program, and conclude by assessing the corporate and government responses to student labor abuses.



**The majority of Foxconn's more than one million workers are rural migrants and teenage student interns. Fushikang, headquartered in Taipei (registered as Hon Hai Precision Industry Company), literally means "wealthy" and "healthy" in Chinese. Photographs taken during field trips to Guangdong and Sichuan (2011-2014).**

## II. Student Labor in China

The re-emergence of labor markets under China's reforms since the late 1970s has transformed the economy in step with Chinese and international investment and the privatization of numerous state enterprises. Employment in the manufacturing sector (relative to agriculture and the service industry) reached an unprecedented 15 percent of the economically active population in the mid-1990s. The percentage would have been even higher if the other eight to 14 percent of those employed in uncategorized industries were added (Evans and Staveteig 2009, 78). The increase in industrial workers was mainly drawn from the hundreds of millions of rural migrants who, in the wake of de-collectivization, were absorbed into booming township and village enterprises and export-oriented privately-owned factories, along with state and collective enterprises. However, the labor rights and interests of many internal migrants were unprotected. It was not until

July 1994, following tragic industrial fires and deaths and numerous abuses, that the government promulgated a Labor Law to regulate the complex labor relations of the market economy (Gallagher 2005, 2014; Ngok 2008; Liebman 2014). The law guarantees basic protections to all worker-citizens, regardless of household registration status or ownership type, such as entitlement to employment contracts, local minimum wages, overtime premiums, social insurance and retirement benefits, rest days, safe and healthy workplaces, and access to government-sponsored labor dispute resolution mechanisms. Despite the national labor compliance requirements, employers systematically "ignored the law with impunity because of the lack of effective implementation and enforcement by local regulatory or supervisory organizations, including the trade union, the local labor bureau and the courts" (Gallagher and Dong 2011, 44).

When structural reforms and privatization accelerated in the 1990s and following China's accession to the World Trade Organization in 2001, many small and medium state-owned enterprises lost out in the fierce new competition. Laid-off workers, especially those who were relatively young, joined the rank and file of rural migrants to toil in the "world factory," facing great uncertainties in a more liberalized economy (Solinger 2009; Blecher 2010; Andreas 2012; Hurst 2009, 2015). As of 2005, Chinese manufacturing wages as a percentage of US wages, compared to those of Japan and East Asian Tigers like South Korea and Taiwan in the early years of their economic takeoffs, had remained consistently low (Hung 2008, fig. 1, 2009, fig. 5). Private companies as well as restructured state enterprises have generally offered fixed-term employment contracts, effectively ending a lifetime "iron rice bowl" tenure that had been prevalent in large urban state enterprises. Other employing units, however, failed to provide labor contracts, minimum statutory wages, or welfare

benefits, generating worker grievances and resistance (Chan 2001; Pringle 2011; Elfstrom and Kuruvilla 2014; Zipp and Blecher 2015). In the face of increasing worker lawsuits and collective protests since the mid-1990s, the Chinese government was compelled to expand legal reforms to ensure minimally acceptable social and labor standards as a means to alleviate the growing tensions between legitimacy and profitability (Lee 2007; Lee and Zhang 2013; Chen 2012; Friedman 2014).<sup>2</sup>

From the mid-2000s, as a result of growing worker demands for better conditions, tightening labor markets due to demographic changes, and Beijing government measures to stimulate domestic consumption such as boosting statutory minimum wages and abolishing agricultural taxes, wages have been rising (Chu and So 2010; Eggleston et al. 2013; Davis 2014; Whyte 2014; Naughton 2014). Firms were increasingly pressured to cut costs and to cope with fluctuations in production orders by hiring temporary workers, including student interns (also termed student apprentices or trainees) and agency laborers (also known as dispatched workers, who signed contracts directly with privately-run or government-operated agencies but providing services to client companies). In the seven large state-owned and Sino-foreign joint-ventured automobile assembly factories that she surveyed, Lu Zhang (2015) found that the number of temporary workers ranged from one-to two-thirds of the total workforce during fieldwork in the mid-to-late 2000s. Downward cost pressure in business competition, particularly during the 2008 global financial crisis, eroded the wages and benefits as well as job security of regular workers who have not yet been displaced by temporary laborers. The latter's per capita cost averages only one-fourth to one-third of the former's (Park and Cai 2011, 33-35; Zhou 2013, 362-63). Unequal treatment of the temporary and regular workers performing identical production tasks created a two-tiered employment system. This system

engendered worker conflicts and social divisions. As Eli Friedman and Ching Kwan Lee (2010, 513) insightfully observe, this dual labor regime "is problematic not just from the perspective of the informal workers, but also from [that of] the regular workers, who will find it increasingly difficult to make collective demands on their employers."

Agency workers, who were long excluded from national legal protection prior to the implementation of the significant Labor Contract Law on 1 January 2008, eventually gained access to basic employment rights, if only honored on the books. Under the new law, under which hiring agencies and client firms share joint legal responsibilities, agency workers are supposed to receive the same pay for doing the same work as directly employed workers. Moreover, they are assumed to take only "temporary, auxiliary, and substitute" posts, thereby placing certain limits on informalization while maintaining labor and organizational flexibility (Chan 2009; Harper Ho 2009; Wang et al. 2009; Cui et al. 2013; Gallagher et al. 2015; Zhang 2015, chap. 7). It is important to note, however, that the 2008 law did not cover interning students. Interns, who are not, after all classified as workers, can be laid off without severance pay and 30 days' prior notice to which employees are entitled. They continue to possess fewer legal rights than agency or regular workers even when they are directly recruited and assigned to the same tasks (Pun and Chan 2012, 2013; Chan and Selden 2014; Pun et al. 2014; Chan et al. 2013, 2015).

The vulnerability of interns as laborers, including both those who are unpaid and those who are under-paid, has recently drawn discussion centering on the applicability of relevant national and international laws. Earl Brown and Kyle deCant (2014), in their provocative essay "Exploiting Chinese Interns as Unprotected Industrial Labor," ask whether interns—who are not legally defined as

employees under Chinese law—are in practice provided equal labor rights at work, and whether the internship experience benefits the intern. The controversy is not just about poor management and lack of educational content in some internship programs, as documented in the 2010 OECD (Organization for Economic Cooperation and Development) review report on China's development of vocational education and workplace-based internship training (Kuczera and Field 2010, 18-27). It is ultimately about the well-being of, and fundamental fairness to, student intern workers. While the Chinese state has not fully recognized interns as workers, it has granted them certain rights under the domestic legal framework. Brown and deCant (2014, 195) compellingly assert: "When these programs [at Foxconn, Honda, and other workplaces] are devoid of any relevant educational component and maintained solely for the benefit of the employer's bottom line, these interns should be afforded the full protection of China's labor laws." We aim to extend the legalistic debates by evaluating the role of the local state as a direct agent in a capitalist development process in which student labor governance is becoming an integral and substantive part. As we will see, at stake is not a mere legal technicality; it is the dynamism of a capital-state alliance that charts the role of student labor with important implications both for student (mis)education and the corporate bottom line.

From the national to the global level, the promulgation of a set of non-binding transnational labor and environmental standards has been among the key corporate responses to sweatshop charges made by workers and their supporters in many countries (Ross 2004; Smith et al. 2006; Litzinger 2013; Locke 2013; Lüthje et al. 2013; Ruggie 2013). Workers—including student interns—are subjected to the pressure of buyers in multi-layered production networks. Image-conscious companies, in response to charges of labor abuse in factories that produce their products,

pledge to adhere to good labor practices in global production, such as respecting the rights of "student workers" in China (Electronic Industry Citizenship Coalition [EICC] 2014, 44). Electronic Industry Citizenship Coalition (EICC), the membership-based industry association representing Apple and Foxconn and 100-plus other companies worldwide, has asserted that, "In the past 10 years we have seen that consistent auditing, clearer guidelines, greater transparency and a Code of Conduct can play important roles" in regulating "student working hours, wages, [and] health and safety gaps" (EICC 2015, 4). In China's high-tech electronics manufacturing, researchers including ourselves have just begun to assess the impact of corporate codes of conduct on workers' conditions.

In a nutshell, we locate student labor at the heart of key industries, notably electronics, in globalized China. In contrast to the approach of Lu Zhang in *Inside China's Automobile Factories* (2015, chaps. 5-6), who did not distinguish between interning students and agency workers in her categorization of "temporary workers," a group contrasted to "formal workers," we aim to understand the distinctive character of student interns in China's international political economy. Accordingly, we examine the central role of three parties in the recruitment and control of students during the internship period, namely, factory managers, school teachers, and local officials. Our major goal is to explain the systemic deployment of student interns in industrial production through a study of Foxconn's practice, thereby contributing to deeper understanding of the massive use of student interns on worker fragmentation among Chinese workers.

### III. The Foxconn Internship Program

With more than one million employees, Foxconn is the world's largest industrial employer (DeCarlo 2014) and probably

maintains the world's largest internship program. The Foxconn internship program, which brought in as many as 150,000 young students during the peak production months in summer 2010—approximately 15 percent of the company's workforce (Foxconn Technology Group 2010a)—and which continues to hire new interns across China at present, dwarfs Disney's College Program, which received more than 50,000 interns cumulatively over 30 years from college partners in the United States and abroad (Perlin 2011, 6). How is the capital-state-school coalition behind the Foxconn internship program organized?

Foxconn is a key node in the Asian and global production networks, where the processing of components, final assembly, and shipment of finished products to world consumers continues around the clock 24 hours a day, 365 days a year. Inside Foxconn there are more than a dozen "business groups" (*shiyequn* 事業群), which compete on speed, quality, efficiency, engineering services, and added value to maximize profits. In one of these business groups, iDPBG (integrated Digital Product Business Group), which produces exclusively for Apple, 28,044 student interns worked alongside workers in Shenzhen in 2010—a six-fold increase from 4,539 in 2007. They were recruited from "more than 200 secondary vocational schools" (Foxconn Technology Group 2010b, 23). At the company's 30-plus manufacturing mega-complexes across China (see Figure 1), workers and student interns toil day and night to churn out iPhones, iPads, and other electronic products for Apple and other IT corporations. Following Chinese government stimulus-led growth and economic recovery, as well as large-volume orders, in 2010, Foxconn registered a 53 percent year-on-year increase in revenues to US\$95 billion (3 trillion NTD) (Foxconn Technology Group 2011, 4). Student interns, among assembly-line workers, played an indispensable role in corporate expansion.



**Foxconn locations in greater China, 1974-2015. Foxconn has more than 30 factories across China. In many cities, Foxconn runs multiple manufacturing facilities. Sources: Foxconn Technology Group company websites and annual reports.**

China has more than 13,300 registered vocational schools and colleges (*Xinhua* 2015). In 2014, approximately 18 million full-time students were enrolled in secondary vocational schools across the country. The government projects an increase in vocational school enrollment to 23.5 million by 2020 (not including those in vocational colleges or adult vocational education) (Ministry of Education of the People's Republic of China 2010a, table 1). Upon completing nine years of compulsory education, students can compete to continue their studies in general track high schools or enroll in vocational institutions. The age of admission to standard three-year vocational schools is often as young as 15. While students in high schools are prepared for university entrance, those in vocational schools are trained for skilled work or higher vocational education.

Vocational schools offer employment-oriented courses for first- and second-year students. During their third year, when they are 17 to 18 years old, students are expected to intern at enterprises that are "directly relevant to their studies" (Ministries of Education and Finance of the People's Republic of China 2007, art. 3). However, our interviews revealed that Foxconn not only recruits students regardless of their field of study, but also often much earlier than is legally allowed (that is, in their first and second years of vocational studies). In our sample, only eight of the 38 student interns were in their final year. Their average age was 16.5, just above the national statutory minimum working age of 16.

### ***The Working Conditions of Student Interns***

The duration of the Foxconn internship programs we studied during fieldwork in 2011 and 2012 ranged from three months to one year. From the beginning of her internship, Liu Siying<sup>3</sup>, the final-year student aspiring to a meaningful learning opportunity whom we met at the opening of this article, was "tied to the PCB [printed circuit board] line attaching components to the product back-casing." In her words, "it required no skills or prior knowledge." Students were assigned to a one-size-fits-all internship at Foxconn factories, which involved repetitive manual labor divorced from their studies and interests.



**Foxconn Chengdu's newly built 18-story factory dormitory, Block 2. Teachers are housed in dorm**

**rooms next to their students to strengthen control during the off-work hours throughout the "internship."**

**Sichuan Zhongjiang Vocational School students, many of them 16 years of age, arrived at Foxconn (Chengdu) in the morning on 3 March 2011 to begin "internships."**

China's leaders seek to boost labor productivity through expanded investment in vocational skill training (Woronov 2011; Hansen and Woronov 2013; Ling 2015). At Foxconn, interns were placed on assembly lines to work illegally long shifts of ten to 12 hours, six to seven days a week. Article 5 of the 2007 Administrative Measures for Internships at Secondary Vocational Schools (Ministries of Education and Finance of the People's Republic of China 2007) states that "interns shall not work more than eight hours a day," and the 2010 Education Circular (Clause 4) specifies that "interns shall not work overtime beyond the eight-hour workday" (Ministry of Education of the People's Republic of China 2010b). Not only must interns' shifts be no more than eight hours, all their training activity is required to take place during daytime to ensure students' safety and physical and mental health, in line with the Law of the People's Republic of China on the Protection of Minors (2013).<sup>4</sup> In reality, interns ranging in age from 16 to 18 were subjected to the same working conditions as regular workers, including alternating day and night shifts and extensive overtime, defying the letter and the spirit of the education law.

A typical comment by interns, their hopes for gaining technical knowledge dashed, underlines the harsh reality of life on the line: "We're sent to do trivial tasks like checking iPad screens and cleaning the product surface ... we're frustrated at repeating the same boring work all day" (Interviews on 19 March 2011; 18 December 2011). Foxconn Global Social and Environmental Responsibility Committee Executive Director, Martin Hsing, has defended the internship program, saying

that "it meets the needs and expectations of the interns," even when the educational value of internship is reduced to assembly-line labor, pure and simple. He emphasized that school participation is "voluntary" and that interns are "free to terminate their internship at any time;" more importantly, the company has "specific policies to ensure that [the internship program] is implemented in full accordance with China law" and its "own Code of Conduct" (Foxconn Technology Group 2013). Several students told us that they phoned their parents after the first week of the internship asking them to pressure Foxconn managers to immediately "release the interns." They failed. They were told that they "risked not being able to graduate" if they refused internships at Foxconn (Interviews on 3 March 2011; 1 April 2011; 20 January 2012).

At Foxconn, student interns are paid. As of January 2011, while student interns and entry-level workers had the same starting wage of 950 yuan/month (USD \$154 / GBP £100 / EUR €128), only employees could receive a skill bonus of 400 yuan/month (USD \$65 / GBP £43 / EUR €54). Interns were not entitled to have their skills assessed in order to qualify for the bonus (see Figure 2). China's Vocational Education Law, effective 1 September 1996, states that students participating in vocational education programs "shall be paid properly for their work" (Article 37, *shidang de laodong baochou* 適當的勞動報酬) (Ministry of Education of the People's Republic of China 1996). Similarly, the 2007 Administrative Measures for Internships at Secondary Vocational Schools stipulate that employers should "pay reasonably for the labor of interns" (Article 8, *heli de shixi baochou* 合理的實習報酬). Maintaining that student interns are not employees—even when they perform work identical to that of production workers—Foxconn does not enroll interns in government-administered social security, which covers medical insurance, work injury insurance, unemployment benefits, maternity insurance, and old age pensions, nor in a housing

provident fund (known collectively as "*wu xian yi jin*" 五險一金). By dispensing with all of these benefits, the company saves money.

For the period of our investigation, Foxconn claimed to have provided "work-related injury and health insurance" for all interns (quoted in Fair Labor Association 2012, 10), but our interviewed interns said they had received no information about an insurance policy. A quick look at the math reveals that, in 2015, assuming a total of 150,000 student interns working in various Foxconn factories during one month in the peak season, the savings from not providing them with welfare benefits is roughly  $150,000 \text{ persons} \times 300 \text{ yuan} = 45,000,000 \text{ yuan}$  (economic conditions and statutory minimum wages vary substantially across China; we use the lower end of 300 yuan/month per person for this illustration<sup>5</sup>). While this is a simplified exercise, it conveys a good sense of employer savings for just one month; considering that many interns work for a full year, the annual savings must be far greater.



**富士康成都厂区招募**  
(时间: 2011年1月21日-31日)

一、公司招聘需求  
公司此次在成都招聘分正式员工和实习生。

(一) 正式员工招聘标准

1. 视力要求: 裸眼视力0.6以上, 矫正视力0.8以上;
2. 学历: 初中及以上学历 (高中及中专以上优先), 必须持有毕业证原件或毕业证复印件;
3. 年龄与身高: 18周岁-35周岁; 男1.60米以上, 女性1.50米以上;
4. 1年以上工厂相关工作经验者优先录用;
5. 健康标准: 身体健康, 心理健康, 身体裸露部分无明显疤痕, 不染发, 不酗酒;

(二) 实习生招聘标准

1. 年龄: 16.5-18周岁;
2. 不要求相关工作经验;
3. 其他同上。

三、合同签订

(一) 正式工

1. 劳动合同: 公司依法与员工签订正式劳动合同;
2. 试用期为3-6个月。

(二) 实习生  
公司依法与员工、学校签订三方实习协议书。

四、薪资、福利等相关政策

(一) 薪资待遇

项目	员工		实习生
	基本薪资	3个月内通过考核	
标准薪资	950	950	950
	技能津贴	0	400
津贴	租房津贴	50	50
	伙食津贴	240	240
	合计	1240	1640

(二) 工作时间和地点

1. 正常工作时间: 每天8小时, 每周5天;
2. 加班时间: 平时每日不超过3小时, 每周至少休息1天。

15/03/2011

**Foxconn (Chengdu) job ad, 2011. The advertisement makes clear the company's savings in employing student interns who are ineligible for the 400 yuan per month wage hike after three months. It does not disclose other savings such as payments toward pensions. Source: Foxconn Technology Group.**

Cost cutting is especially imperative in electronic manufacturing where profit margins are thin (Kraemer et al. 2011; Lüthje et al. 2013). In recent years, state minimum wages have steadily increased and companies have faced pressure to raise wages to retain workers, particularly a young cohort, who frequently changed jobs in an attempt to get better pay and benefits. National Bureau of Statistics of the People's Republic of China (2014, fig. 1) reported that average total income of rural migrant workers had risen steadily following the economic recovery in

2009, reaching unprecedented 2,609 yuan/month in 2013, a 13.9 percent increase from the previous year. However, "speed, not just cost," might be "the killer attribute" that gives Foxconn and other large manufacturers "the winning edge to remain competitive" (Dinges 2012). Pressure from brand-name buyers to stay responsive to consumer demand is strong (Hamilton et al. 2011). Accordingly, Foxconn translates production requirements for fast time-to-market and high quality into increased work pressure and longer hours. In a rare reference to the production pressures that Apple and its competitors apply, Foxconn CEO's Special Assistant Louis Woo explained his company's perspective on overtime in an April 2012 American media program (Marketplace 2012):

The overtime problem-when a company like Apple or Dell needs to ramp up production by 20 percent for a new product launch, Foxconn has two choices: hire more workers or give the workers you already have more hours. When demand is very high, it's very difficult to suddenly hire 20 percent more people. Especially when you have a million workers-that would mean hiring 200,000 people at once.

Woo's statement indicates that, when faced with soaring demand from Apple, Dell, and other electronics brands, Foxconn's first response is to impose compulsory overtime on its existing labor force. However, it also tries to hire more people to respond seamlessly to corporate demands for rush orders. Recruitment through vocational schools is an efficient way to pick up tens of thousands of new workers at once, who are purportedly hired in the name of skills training and school-business cooperation (*xiaoqi hezuo* 校企合作).

In Shenzhen's Longhua Cultural Square, student intern Zhang Lintong, 16, talked about school life and music. He told us he admires the 19<sup>th</sup> century Russian realist artist Ilya Repin and praised *The Song of the Volga Boatmen*, which reminds him of Repin's seminal painting *Barge Haulers on the Volga*.<sup>6</sup> *Barge Haulers* depicts a foreman and ten laboring men hauling an enormous barge upstream on the Volga. The men seem on the verge of collapse from exhaustion. The lead hauler's eyes are fixed on the horizon. The second man bows his head into his chest and the last one drifts off from the line, a dead man walking. The haulers, dressed in rags, are tightly bound with leather straps. The exception is the brightly clad youth in the center of the group, who raises his head while fighting against his leather bonds in an effort to free himself from toil. "I often dream, but repeatedly tear apart my dreams; like a miserable painter, tearing up my draft sketches...I'm not interested in assembling iPhone parts. It's exhausting and boring. I want to quit. But I can't," Lintong sighed (Interview on 29 November 2011).

All 14 female and male teachers we interviewed were aware that the Foxconn program violated the purpose of internships, which are mandated to provide an integral part of students' education and skills training. Fearing punishment from the school, however, teachers and students played their parts in the charade called internship. The teachers reported for duty at the company administrative building from 9 a.m. to 5 p.m., Monday to Friday. They were housed in the factory dormitories throughout the internship. Only one teacher expressed criticisms of the internship system in the course of our fieldwork. Mr. Tian, a Sichuanese in his 40s, was a Chinese literature teacher with more than two decades of teaching experience. "My daughter is 17 years old, my only daughter. She's now preparing for the national college entrance exam. No matter what the result is, I won't let her come to intern, or work, for this company." And yet he

told us that "paid internships at Foxconn were one of the main attractions for students attending his school." He also admitted, however, that "at Foxconn, there's no real learning through integration of classroom and workshop. The distortion of vocational education in today's China is deeply rooted" (Interview on 16 December 2011).

### ***Student Internship Recruitment through Government and School Mobilization***



**50-seater public buses line up for Foxconn (Chengdu) in Pi County, Sichuan. Drivers provide transportation service to Foxconn at government discounted rates. Government-printed banners on the sides of the buses read, "Use fighting spirit to overcome earthquakes and natural disasters to provide transportation for Foxconn."**

Foxconn, given its powerful market position, gains access to numerous resources with

strong government support all over China. In the years since the magnitude 7.9 earthquake that struck Sichuan in May 2008, killing 87,150 people and leaving 4,800,000 homeless, the provincial government has redoubled efforts to attract investments to fund reconstruction. Zhuang Hongren, Foxconn's chief investment officer, pledged to "help Chengdu to become an unshakeable city" in world electronics (quoted in Sichuan Provincial People's Government 2011). In response, local officials subsidized transportation services and provided numerous benefits for the company. Foxconn employees now commute to work in public buses that have been dedicated to the exclusive use of Foxconn (Fieldwork in Pi County, Chengdu City, March 2011). Government-printed banners on the sides of the buses read, "Use fighting spirit against earthquakes and natural disasters to provide transportation for Foxconn" (*yong kangzhen jiu zai de jingshen, nuli wancheng Fushikang baoche yewu* 用抗震救災的精神，努力完成富士康包車業務). Foxconn's economic influence has become so great that CEO Terry Gou is widely known among workers as the "Mayor of 'Foxconn City'" in Chengdu, provincial capital of Sichuan, southwest China.

Manager Zhu, a 31-year-old college graduate, joined the human resources department of Foxconn Chengdu on its opening in October 2010 after seven years in a small state-owned factory, was chiefly responsible for liaison linking government, vocational schools, and Foxconn. He explained (Interview on 14 December 2011):

Over the past year, I held monthly meetings with government leaders responsible for the "Number One Project" [*yihao gongcheng* 一號工程] tailored for Foxconn. Over a few drinks and shared cigarettes, our colleagues and local government officials regularly updated each other on the

company's recruitment schedules, thereby establishing a good working relationship.

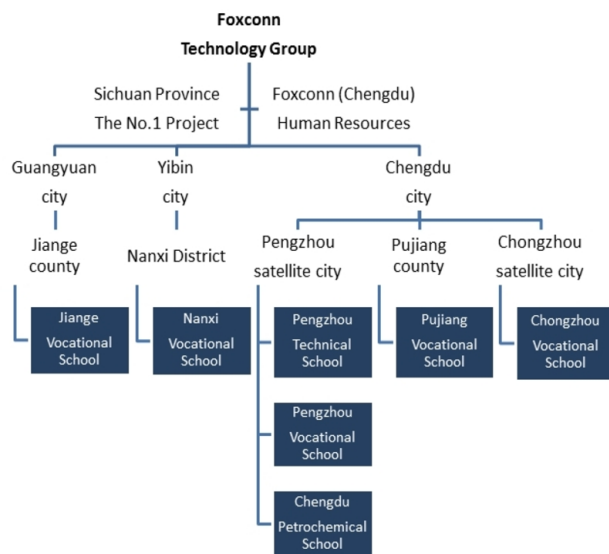
The Sichuan provincial government prioritized helping Foxconn as its "Number One Project." It offered Foxconn partial funding to construct its gigantic production complex and 18-story dormitories. In addition to the construction projects, it undertook large-scale recruitment of student interns and workers at new Foxconn factories (there are two mega production sites of Foxconn Chengdu), leaving other Taiwanese manufacturing competitors such as Wistron and Compal far behind (*Global Times* 2012). Local education bureaus pitched in by compiling and updating lists that identify vocational schools suitable for linking to Foxconn internship programs. All qualified schools were required to participate in recruitment.



**A government employment and social security office converted into a Foxconn recruitment station at Hongguang Town, Pi County (in Chengdu City, Sichuan). Local states subsidize the growth of private business with free hiring services and cheap labor supply.**

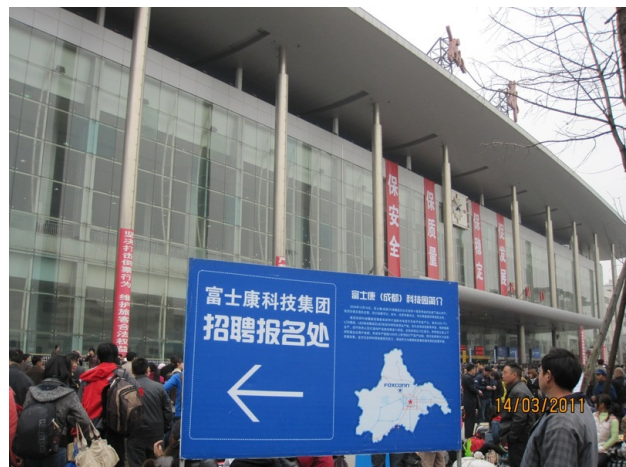
To assure the vocational schools' cooperation, governments disburse funds to those that fulfill company targets for the number of student

interns. If schools fail to meet human resources requirements, education bureaus withhold funds (Interview with a township government official in Chengdu City, 17 December 2011). Foxconn has taken advantage of this system to extend its labor recruitment networks to schools, where it draws on the assistance of local officials and teachers to utilize student labor. Figure 3 shows how Foxconn in Sichuan province draws up plans for student labor recruitment, then top-level government officials lead work teams across different administrative levels (city, county, district, township and village) to meet the deadlines and quotas, with the cooperation of the vocational schools under their jurisdiction.



**Foxconn internship recruitment through local mobilization, Sichuan.** For illustrative purposes, we simplify the complex, multi-level power relationships in the recruitment of student interns through the triple alliance of Foxconn, local governments (from the provincial to the village level), and vocational schools (under the jurisdiction of Sichuan province). The seven vocational schools that we specify were publicly reported in local news and/or on school websites as participating in the Foxconn internship programs. Source: Field data collected in Sichuan province.

All production workers, including student interns, at Foxconn Chengdu are engaged in making iPads exclusively for Apple. Between September 2011 and January 2012 (a school semester), in Foxconn's Chengdu factories, more than 7,000 students—approximately ten percent of the labor force—were working on the assembly line (Interviews with human resources managers and teachers in December 2011 and January 2012). One of the participating schools, Pujiang Vocational School, sent 162 students on 22 September 2011 to undertake three-month internships that were subjected to extension in accordance with iPad production needs. The large Pengzhou Technical School signed up 309 students, accompanied by three male and three female teachers during the entire internship. This is typical of the 1:50 teacher-student ratio maintained throughout the Foxconn Chengdu internship program in 2011-2012. Contrary to our findings, the Apple-commissioned factory inspector Fair Labor Association "found *no interns* had been engaged at [Foxconn] Chengdu since September 2011" (our emphasis) (Fair Labor Association 2013, 5).<sup>7</sup>



A recruitment poster introducing the corporate background of Foxconn (Chengdu) is displayed outside the Chengdu rail station, Sichuan. Since October 2010 Foxconn (Chengdu) has produced iPads exclusively for Apple. In one semester during 2011-2012, it employed more than 7,000 "student

### **interns" on the assembly line.**

Government officials support the timely fulfillment of labor recruitment assignments for Foxconn by doing public relations work to improve the company's image. The targets include students and fresh graduates. A township official-in-charge elaborated, "We were tasked by upper level governments to eliminate negative social attitudes toward Foxconn after the [2010] suicide wave"<sup>8</sup> (Interview on 14 December 2011). The main contents of student labor recruitment are Foxconn's corporate development, its economic and technological strength, and its expansion prospects. The government team deploys messages "across the internet, radio, television, posters, blogposts, leaflets, telephone calls, door-to-door visits, and the mail to publicize Foxconn's culture, and guide recruitment targets in correct thinking and understanding" (The People's Government of Guangyuan City [Sichuan] 2011a). Villages, towns, and schools are saturated with propaganda to assure that Foxconn achieves the status of a household name. The division of labor is summarized as follows (Interview with a township government official in Chengdu City, 16 December 2011):

1. The Human Resources and Social Security Department makes recruitment a top priority.
2. The Education Department arranges school-business cooperation, ensures that the number of graduates and interns meets the assigned goal, and arranges for their transportation on schedule and properly supervised by teachers.
3. The Finance Department ensures that recruitment is adequately funded.
4. The Public Security Department completes job applicants' background investigations.
5. The Transportation Department assures appropriate transport capacity and safety.
6. The Health Department provides pre-employment physical examinations.
7. Other relevant departments ensure that recruitment progresses smoothly.

Foxconn obtains wealth of resources from multiple government departments to enhance its cost-competitiveness and business capacity while assuring an abundant supply of workers at a time of tightened labor markets. Indeed, in the past 30-plus years, preferential treatment by local governments has increased capital mobility and facilitated the growth of transnational corporations, first in southeast coastal regions and then in interior cities (McNally 2004; Leng 2005; Selden and Perry 2010). What is new is the outreach to vocational schools to tap student labor through a partnership of capital and state. One municipal government actually conducts investigations of departments that "do not complete 50 percent of monthly tasks," pushing for a 100 percent completion rate of the recruitment quota handed down by Foxconn (The People's Government of Guangyuan City [Sichuan] 2011b).

"In Chengdu," Andrew Ross (2006, 218) concludes from his research on global IT service outsourcing to China that "it was impossible not to come across evidence of the state's hand in the fostering of high-tech industry." From Sichuan to central China's Henan province, provincial governments have similarly channelled financial and administrative resources to support Foxconn

hiring. In June 2010, the Zhengzhou City Education Bureau directed all vocational schools under its jurisdiction to dispatch students 1,000 miles away to Foxconn's Shenzhen factories for employment and/or internships. This step was taken to make sure students would complete their training in time for the August opening of a new manufacturing base in Zhengzhou, provincial capital of Henan. Foxconn Zhengzhou exclusively assembles iPhones for Apple. The opening passage of the government notification to all education units reads (Zhengzhou City Education Bureau (Henan) 2010):

To promote the city's vocational education, accelerate the pace of educational development, deepen school-business cooperation, strengthen customized training, and promote industry, it has been decided to launch an employment (internship) partnership with Foxconn Technology Group, and to arrange for all vocational school students to work (intern) at Foxconn Shenzhen.

Specifics of the sweeteners offered to Foxconn include the following (Henan Provincial Poverty Alleviation Office 2010.):

1. Implementing a policy of rewards for job introductions at the standard rate of 200 yuan per person from the designated government employment fund.
2. Giving every successful worker (or intern) a 600-yuan subsidy from the designated government employment fund.

The Henan provincial government, using taxpayers' money, pays for incentives to schools or labor agencies ("the job introduction fee" of 200 yuan/person) that arrange for employment and/or internships at Foxconn. In August and September 2010, local government

officials divided the 20,000-recruit goal among 23 counties and cities (each new worker/intern receives 600 yuan). For the targeted recruitment of 20,000 persons, the government bill would be 16,000,000 yuan (= 20,000 persons × (200 + 600) yuan). Each city or county government was assigned specific recruitment targets, with quotas within each district subdivided down to villages and towns. Table 1 shows the number of new Foxconn recruits that each of the 23 localities was ordered to produce. From this moment, student internships were transformed into a government-organized activity in the service of a private employer (see also, Henan Provincial Education Department 2010).

### Government Recruitment Assignments for Foxconn, Henan

Name	Targets for August 2010 (persons)	Targets for September 2010 (persons)	Total (persons)
1 Xinyang	1,000	1,000	2,000
2 Zhoukou	940	940	1,880
3 Luoyang	850	900	1,750
4 Nanyang	850	850	1,700
5 Shangqiu	850	850	1,700
6 Zhumadian	850	850	1,700
7 Puyang	750	700	1,450
8 Xinxiang	680	680	1,360
9 Anyang	650	650	1,300
10 Pingdingshan	550	550	1,100
11 Kaifeng	500	500	1,000
12 Zhengzhou	200	200	400
13 Hebi	200	200	400
14 Jiaozuo	200	200	400
15 Kuchang	200	200	400
16 Luohe	200	200	400
17 Sanmenxia	200	200	400
18 Gushi County, Xinxiang	100	100	200
19 Jiyuan	50	50	100
20 Dengzhou City, Nanyang	50	50	100
21 Yongcheng City, Shangqiu	50	50	100
22 Xiangcheng City, Zhoukou	50	50	100
23 Gongyi City, Zhengzhou	30	30	60
Total	10,000	10,000	20,000

**The Henan provincial government established an inter-departmental committee to coordinate labor recruitment at Foxconn. The 20,000 new recruits included students and non-student job seekers.**

Source: Henan Provincial Poverty Alleviation Office 2010.

Student interns-cheap, youthful, and productive-are a new source of labor that is

growing larger in step with the expansion of vocational education. Steven McKay in *Satanic Mills or Silicon Islands* concludes that high-tech commodity producers "focus their labor concerns on cost, availability, quality, and controllability" to enhance profitability (2006, 42, italics original). On 1 November 2011, Han Chinese and Tibetan student interns got into a brawl during working hours. The incident sounded an alarm and a vice principal from one of the participating vocational schools arrived on the scene the next day to "look after his students," reported interviewee Teacher Jiang. He added, "All of the few dozen students were laid off. Foxconn demanded that the schools concerned immediately 'take back the bad students' to prevent any disruption to work" (Interview on 15 December 2011). The assistance of the vice principal in removing the interns to whom Foxconn objected reveals other dimensions of how the schools and the enterprise cooperate in exercising dual control over students (Smith and Chan 2015). Psychosocial behaviour, such as playing video games all night and not going to work on time, as well as slowing down due to loss of motivation to work hard, however, continued. Foxconn's presentation of Outstanding Student Intern Awards-also known as the "hardworking bee" prize-failed to instill stronger commitment and loyalty among interns who perceived the internship as squandering their education and found the work demeaning.

None of the 38 interviewed interns expressed interest in working for Foxconn after graduation. If they were interested in assembly line jobs, they would have started working straight away after finishing middle school rather than seeking specialized training in multiple fields. "Come on, what do you think we've learned standing for more than ten hours a day manning the machines on the line? What's an internship? There's no relation to what we study in school. Every day is just a repetition of one or two simple motions, like a robot," Lintong emphasized (Interview on 29

November 2011).

#### IV. Conclusion

If the Chinese government's goal is to encourage workforce preparedness by investing in vocational training, with student internships as a core component, the policy is a failure. Foxconn has shifted hiring costs onto local governments and outsourced recruitment to vocational schools to obtain a flexible, low-cost labor supply. In this capital-state-school alliance, the incorporation of students into the workplace in the guise of internships has served the interests of capital, while generating intern protests over unfair and illegal treatment.<sup>9</sup> Intense competition among localities to lure foreign investment has undermined enforcement of labor and educational laws. Notwithstanding significant Chinese legal reforms to date, there remains a deep-seated conflict between state legitimation and local accumulation, with the result that student workers' rights and interests are sacrificed. Companies have continued to exploit the internal contradictions of the state to maximize their gains, and local states have bent education and labor rules and regulations to attract businesses. This is one important facet of China's distinctive state capitalism.

Speaking of the dynamism of state-society relations, Ching Kwan Lee (2007, 17) "sees contradictions within different state imperatives and insists that state power is not independent of but rather constituted through its engagement with social groups in their acquiescence and activism, triggered by contradictory state goals and policies." We observe that, under mounting public concerns of student worker abuses, including child labor hidden in the guise of interns at Foxconn's labor-hungry factories (SACOM 2012), the Chinese central government has recently proposed new "Draft Rules on the Management of Vocational School Student Internships" (Ministry of Education of the People's Republic

of China 2012). These rules, if vigorously implemented, would require that student internships have substantial educational content and work-skill training plans, along with comprehensive labor protections for teenage workers. As of December 2014, however, the draft rules still had not been issued (Ministry of Education of the People's Republic of China 2014), suggesting opposition from employers and their allies.

At the industry level, in an attempt to polish its corporate image, Apple (2013, 19) reiterated in January 2013 its standards for suppliers' hiring of students: "Student working hours must comply with legal restrictions.... We've begun to partner with industry consultants to help our suppliers improve their policies, procedures, and management of internship programs to go beyond what the law requires." Claiming to exercise corporate social responsibility in global supply-chain management, Apple never acknowledged its own culpability in imposing tight delivery schedules and high quality demands at the lowest possible prices (Chan et al. 2013, 2015; Chakraborty 2013). Manufacturers, faced with buyers' tight deadlines and ruthless demands, in turn place tremendous pressure on frontline workers including interns to retain contracts and stay profitable. In February 2014, Scott Rozelle, co-director of the Rural Education Action Program at Stanford University, announced a monitoring and evaluation program of student internships at the invitation of Apple in Apple's China-based major suppliers (Rural Education Action Program 2014). As of our writing in August 2015, the findings were still not publicly available.

Ross Perlin in his book on American and European internship practices, *Intern Nation*, comments, "The very significance of the word *intern* lies in its ambiguity" (2011, 23, italics original). In the four years we have been working on this research, we have seen that the recruitment of interns as cheap and

disposable labor at Foxconn has become routine practice that continues in the present day, and extends to many other companies such as Samsung and Lenovo (see also China Labor Watch 2014; Dou 2014). Schools, facing financial and political pressure, are unable to shield students from internships that violate the letter and spirit of the law. Business-friendly local authorities sponsor such internship programs through direct subsidies and administrative support to large corporations. In China, the student labor regime has become integral to its economic development, frequently at the sacrifice of all workers' interests.

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## Notes

<sup>1</sup> Concerning the rights protection of China-based student interns in transnational production, on 16 December 2013, we wrote letters to, respectively, Foxconn CEO Terry Gou and Apple CEO Tim Cook. Apple is the world's most profitable technology company, which contracts Foxconn, among others, to manufacture its branded products. The two letters, and company statements, are on file with the authors.

<sup>2</sup> On the inherent contradictions between legitimacy and profitability in global capitalism, and the varied responses of industrial capital and the state under specific historical context, see also Burawoy (1985), Silver (2003), and Webster et al. (2008).



<sup>3</sup> The names of our interviewees, unless otherwise specified, are changed to protect them.

<sup>4</sup> Law of the People's Republic of China on the Protection of Minors (*Zhonghua Renmin Gongheguo Wei Chengnianren Baohu Fa* 2013) protects young people under 18 for their balanced development and healthy growth. Article 20 stipulates that schools, including vocational schools, shall "cooperate with the parents or other guardians of the minor students to guarantee the minor students time for sleeping, recreational activities and physical exercises and may not increase their burden of study."

<sup>5</sup> As of December 2013, in Shenzhen, Foxconn paid ten percent of employees' basic monthly wage for social insurance (180 yuan) and five percent for the mandatory housing provident fund (90 yuan), that is, 270 yuan/month in total.

<sup>6</sup> *The Song of the Volga Boatmen* (<http://www.youtube.com/watch?v=ZlABtBm6V5o>) (in Russian with Chinese illustration)

<sup>7</sup> The Fair Labor Association (FLA) received from Apple membership dues of US\$250,000,

plus audit fees for conducting its investigation at Foxconn Chengdu and two other Foxconn factories in Shenzhen (Longhua and Guanlan) between 2011 and 2012 (Weir 2012). Given the complete financial dependence of the FLA on the companies that support it, we question its ability to fulfill its purported mission to protect workers in the global economy.

<sup>8</sup> In 2010, at least 18 workers attempted suicide at Foxconn's facilities in Shenzhen and other cities, resulting in 14 deaths and four crippling injuries, see Chan and Pun (2010) and Chan (2013).

<sup>9</sup> It was estimated that in May 2010 approximately 70 percent of the 1,800 workers were student interns at a Honda parts plant based in Nanhai District in Foshan City, Guangdong. Following a significant victory in which Honda workers received an additional 500 yuan per month and underpaid interns over 600 yuan more per month, auto workers at supplier factories of Toyota and Hyundai were emboldened to take their demands to managers (see Butollo and ten Brink 2012; Chan and Hui 2014; Friedman 2014, chap. 5; Lyddon et al. 2015).