

# QIYANG ZHANG

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## EDUCATION

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**M.S.Ed. in Education Policy**

*Expected July 2020*

**University of Pennsylvania, Philadelphia, PA**

**Relevant Coursework:** Introduction to Causal Inference for Educational Research, Education Policymaking and Research Methods, Economics of Higher Education  
Economics of Education in Developing Countries

**Intended Coursework:** Sociology of Education, Methods of Economic Evaluation in Education, Education Policy Research Practicum, Economic Aspects of Education Policy

**B.E. in Industrial Systems Engineering**

*June 2019*

**B.A. in Economics, with Honors and Distinction**

**National University of Singapore, Singapore**

Cumulative Average Point: 4.42/5.00

**Relevant Coursework:** Quantitative Reasoning, Introduction to Statistics, Probability, Probability Models with Applications, Decision Modeling and Risk Analysis, Microeconomic Analysis I & II, Macroeconomic Analysis I & II, Labor Economics, Introduction to Systems Thinking

**Summer Program in International Relations**

**Peking University, Beijing, China**

*Summer 2018*

Participant in the One Belt One Road Initiative Youth Summit

**Relevant Coursework:** International Relations and the Rise of China

**Semester Exchange Program**

**Georgia Institute of Technology, Atlanta, GA**

*January – May 2018*

**Relevant Coursework:** Industrial Systems Engineering and Economics

## RESEARCH PROJECTS

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**B.E. Dissertation**

*August 2018 – May 2019*

**Public Versus Private Higher Educational Institutions (HEIs) in ASEAN Countries**

Advisor: Prof. Tan Kay Chuan

Industrial Systems Engineering and Management, National University of Singapore

This B.E. Dissertation analyzed and compared funding resources, operating constraints, target markets, etc. in Malaysia, Thailand, Philippines, Vietnam, Indonesia, and Singapore. The paper outlined a broad picture of how the landscape of higher education in ASEAN countries has evolved. Problems, strengths, and policy recommendations were summarized to guide future policy makers in ASEAN higher education field.

**Systems Design Project**

*August 2018 – May 2019*

**Building Data Intelligence in Healthcare**

National University of Singapore and Tan Tock Seng Hospital

Advisor: Prof. Ng Kien Ming

Industrial Systems Engineering and Management, National University of Singapore

As a team of 5, we helped Tan Tock Seng Hospital build a user-friendly Dashboard interface, using Tableau software. The finished product captures Key Performance Indicators and improves the management board's efficiency. It has freed 208 man-hours and saved \$9560 annually with 89% automation.

### **Research Project**

*February 2019 – March 2019*

#### **'Kampong Spirit' in Singapore HDB Neighborhood**

Advisor: Dr. Guillem Rimbau

Department of Economics, Yale-NUS College

The project aims to analyze the effects of urban spaces and block design on community building and the presence/absence of a "kampong" spirit among neighbors. The surveys are designed to filter out bias using item count technique in list experiments. As a research assistant, I helped with data collection in HDB blocks and data analysis using Stata.

## **PUBLICATIONS**

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Qiyang Zhang and Soumya Mittal, book review of International Mobility and Educational Desire: Chinese Foreign Talent Students in Singapore by Peidong Yang, Perspectives on Urban Education Journal. [Under Review]

## **TEACHING EXPERIENCE**

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### **Teaching Assistant**

*January – April 2019*

IE2150 Human Factor Engineering

National University of Singapore

Helped prepare lecture material and mentored students for their projects

### **Tutor**

*January – April 2019*

IB Physics, Chinese, IGCSE Combined Science, O-level Physics

Pantheon Education

Taught classes of 8 and took private lessons

## **PROFESSIONAL EXPERIENCE**

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### **Sichuan Jinshi Leasing Co., Ltd**

*May – August 2017*

Chengdu, Sichuan, China

General Account Manager in Airplane Department

Worked on financial leasing contracts and projects worth \$3 million, in co-operation with Shenzhen Airlines; Automated calculations of cash flows and forecasted profits by developing Excel templates and VBA scripts

### **Polygon (Chengdu) Precision Mold and Plastics Co., Ltd**

*May – August 2016*

Chengdu, Sichuan, China

Supply Chain Engineer

Optimized the assembly line and sorting process using ergonomics engineering; Worked under the department of central planning to arrange short-term production schedules according to the customers' requirements using supply chain concepts

## SCHOLARSHIPS AND AWARDS

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<b>M.S.Ed. Program Merit Scholarship</b>	<i>2019</i>
Awarded a USD \$10,000 merit scholarship to pursue a M.S.Ed program at the Graduate School of Education, University of Pennsylvania	
<b>NUS Ph.D. Research Scholarship</b>	<i>2019</i>
Awarded a Research Scholarship to pursue a Doctor of Philosophy in Economics at the Faculty of Arts and Social Sciences, National University of Singapore (declined)	
<b>NUS Bachelor Degree Scholarship</b>	<i>2015</i>
Awarded the Science and Technology Undergraduate Scholarship for Dual Degree in Engineering and Economics with coverage of tuition, residence, and living allowances	
<b>Top Female Award in Chinese Chess Competition</b>	<i>2014</i>
<b>Cross Country top five finishers in Female age group category</b>	<i>2014</i>

## TECHNICAL AND LANGUAGE SKILLS

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<b>Statistical Programming and Simulation</b>	R, Stata, Ithink, Automod
<b>Programming</b>	C, C++
<b>Other Tools</b>	MS Excel, L <sup>A</sup> T <sub>E</sub> X, Adobe, basic SQL
<b>Language Skills</b>	Mandarin (Native fluency), English (Proficient), German (A1 level)

## CERTIFICATE

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<b>Coursera</b>	<i>2018</i>
What Future for Education? (UCL-IOE)	
<a href="http://www.coursera.org/verify/EGHPZW4Y7UQW">www.coursera.org/verify/EGHPZW4Y7UQW</a>	

## LEADERSHIP AND VOLUNTEERING

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<b>Teach for China</b>	<i>July 2019 - Present</i>
President of TFC UPenn Student Association	
Helped organize the China-US Education Summit 2019	
<b>Institute of Mental Health (IMH)</b>	<i>January 2013 – November 2014</i>
Volunteered at IMH and Successfully held Chinese New Year Celebration Performance at the IMH	
<b>The National Library in Singapore</b>	<i>January 2013 – November 2014</i>
Conducted readings programs for senior citizens and families	
Volunteered in the father-children reading day	

## EXTRACURRICULAR ACTIVITIES

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<b>NUS Chinese Calligraphy Club</b>	<i>August 2015 – May 2017</i>
Secretary	
Co-planned and co-executed the Seventh National Calligraphy Competition and Chinese New Year Calligraphy Event	
<b>Viva LatinUS</b>	<i>August 2018 – May 2019</i>
Member of the NUS Latin Dance Association	

**NUS Wind Symphony***August 2015 – May 2016*

Flutist

Performed as a flute player in the annual NUS concert

**NUS Chinese Orchestra***August 2016 – December 2017*

Flutist

Performed Chinese flute in Shawn's Movie Festival  
opening ceremonies in 2017 and 2018

Performed as a Chinese flute solo player in the Chinese Spring Festival celebration

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*Last updated on October 30, 2019*