

QIYANG ZHANG

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EDUCATION

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: Survey Methods & Design, Methods of Economic Evaluation in Education, Education Policy Research Practicum, Advanced Topics in Monitoring & Evaluation of International Education

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

Summer Program in International Relations

Peking University, Beijing, China

Summer 2018

Semester Exchange Program

Georgia Institute of Technology, Atlanta, GA

January – May 2018

RESEARCH PROJECTS

Research Project

August 2019 – Present

Causal Inference study on educational attainment and health level

Advisor: Dr. Wendy Chan

Graduate School of Education, University of Pennsylvania

Using data collected from Chinese Longitudinal Healthy Longevity Survey (CLHLS) Parent-Child Dyads, we are attempting to investigate the causal inferential relationship between educational attainment and health. Matching with dichotomous variables will be used to control for income level, smoking habits, age, ethnic group, sex, and exercising frequency.

Research Project

August 2019 – November 2019

Teacher Salary and Turnover: A Meta-Analytic Literature Review of Teacher Labor Markets in the US and China

Advisor: Dr. Amrit Thapa

Graduate School of Education, University of Pennsylvania

This comprehensive meta-analysis on the relation between teacher salary and turnover, consisting of 21 studies, seeks to understand contemporary teacher labor markets in the US and China. Background analysis on countries' percentage GDP investment in education reveals that Chinese government seems to be more determined and consistent in education investment compared to the US government. Effect

size estimation results suggest that there is 1) significant negative relation between salary and turnover rate in both countries, and 2) salary is a more sensitive predictor of teacher turnover in China than in the US.

B.E. Dissertation

August 2018 – May 2019

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

Advisor: Dr. 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.

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 cognitive 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.

Systems Design Project

August 2018 – May 2019

Building Data Intelligence in Healthcare

National University of Singapore and Tan Tock Seng Hospital

Advisor: Dr. 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.

PUBLICATIONS

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. [Expected Publication in Spring 2020]

TEACHING EXPERIENCE

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

TECHNICAL AND LANGUAGE SKILLS

Statistical Programming and Simulation

R, Stata, Ithink, Automod

Programming

C, C++

Other Tools

MS Excel, L^AT_EX, Adobe Illustrator, basic SQL

Language Skills

Mandarin (Native fluency), English (Proficient),
German (A1 level)

ONLINE COURSEWORK

Coursera

2018

What Future for Education? (UCL-IOE)

www.coursera.org/verify/EGHPZW4Y7UQW

SCHOLARSHIPS AND AWARDS

M.S.Ed. Program Merit Scholarship

2019

Awarded a USD \$10,000 merit scholarship to pursue a M.S.Ed program at the Graduate School of Education, University of Pennsylvania

NUS Ph.D. Research Scholarship

2019

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)

NUS Bachelor Degree Scholarship

2015

Awarded the Science and Technology Undergraduate Scholarship for Dual Degree in Engineering and Economics with coverage of tuition, residence, and living allowances

PROFESSIONAL EXPERIENCE

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

LEADERSHIP AND VOLUNTEERING

Teach for China

July 2019 - Present

President of TFC UPenn Student Association

Helped organize the China-US Education Summit 2019

Institute of Mental Health (IMH)*January 2013 – November 2014*

Volunteered at IMH and Successfully held Chinese New Year Celebration Performance at the IMH

The National Library in Singapore*January 2013 – November 2014*

Conducted readings programs for senior citizens and families

Volunteered in the father-children reading day

EXTRACURRICULAR ACTIVITIES

NUS Chinese Calligraphy Club*August 2015 – May 2017*

Secretary

Co-planned and co-executed the Seventh National
Calligraphy Competition and Chinese New Year
Calligraphy Event**Viva LatiNUS***August 2018 – May 2019*

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

Last updated on November 22, 2019