

# QIYANG ZHANG

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## EDUCATION

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**PhD in Education** *Expected July 2024*  
**Johns Hopkins University, Baltimore, MD**

**M.S.Ed. in Education Policy** *August 2019 - July 2020*  
**University of Pennsylvania, Philadelphia, PA**  
 Grade Point Average: 3.93/4.00

**B.A. in Economics** *August 2015 - June 2019*  
**B.E. in Industrial Systems Engineering, with Honors and Distinction**  
**National University of Singapore, Singapore**  
 Cumulative Average Point: 4.42/5.00

**Summer Program in International Relations** *Summer 2018*  
**Peking University, Beijing, China**

**Semester Exchange Program** *January - May 2018*  
**Georgia Institute of Technology, Atlanta, GA**

## RESEARCH INTEREST

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I am broadly interested in evidence-based education and research synthesis. To provide robust evidence, I often adopt rigorous methodologies, such as meta-analysis, randomized controlled trials, and causal inference. As an educational economist by training, I want to investigate the complex relationship between education and health.

## PUBLICATION

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Zhang, Q. (2020). The cost of illiteracy: A causal inference study on how illiteracy affects physical and mental health. *Health Education Journal*, 0017896920949894.

Zhang, Q. and Mittal, S. (2020) Book review of *International Mobility and Educational Desire: Chinese Foreign Talent Students in Singapore* by Peidong Yang, *Perspectives on Urban Education Journal*. [Under Review]

## CONFERENCE PRESENTATION

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Zhang, Q., Neitzel, A., and Slavin R. (2020) A Meta-Analysis of Teacher Salary and Turnover in the USA and China. Poster presentation at the 2021 annual meeting of the American Educational Research Association (April)

Zhang, Q. and Mittal, M. (2020) Not Losing the Birth Lottery: Inclusion and Diversity in Graduate Programs (Oral Presentation), Graduate Education at Work in the World Conference, Graduate Center, CUNY [Postponed to Spring 2021 due to COVID-19]

## RESEARCH EXPERIENCE

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**Research Project** *August 2020– present*  
**Systematic Review and Meta-Analysis on Effective Elementary Science Interventions**

PI: Dr. Robert Slavin

Co-PI: Dr. Amanda Neitzel

School of Education, Johns Hopkins University

Automated the handsearch process for meta-analysis using key-word searching Python code

Saved thousands of labor hours

**Research Project** *August – December 2019*

**The cost of illiteracy: a causal inference study on the impacts of illiteracy on physical and mental health**

Advisor: Dr. Wendy Chan

Graduate School of Education, University of Pennsylvania

**Research Project** *August – 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

**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

**Research Project** *February – March 2019*

**‘Kampong Spirit’ in Singapore HDB Neighborhood**

Advisor: Dr. Guillem Riambau

Department of Economics, Yale-NUS College

**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

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## TEACHING EXPERIENCE

**Teaching Assistant at National University of Singapore** *January – April 2019*

IE2150 Human Factor Engineering

**Tutor at Pantheon Education** *January – April 2019*

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

## TECHNICAL AND LANGUAGE SKILLS

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

## STATISTICAL & METHOD TRAINING

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Applied research methods to inform policy and practice, introduction to causal inference for educational research, methods of economic evaluation in education, survey methods & design, programming methodology, introduction to statistics, data structures and algorithms, probability models with applications, simulation, econometrics

## SCHOLARSHIPS AND AWARDS

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<b>M.S.Ed. Program Merit Scholarship</b>	<i>2019</i>
<b>NUS Ph.D. in Economics Research Scholarship (declined)</b>	<i>2019</i>
<b>NUS Bachelor Degree Scholarship</b>	<i>2015</i>

## LEADERSHIP AND VOLUNTEERING

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<b>Junior Reviewer of Education Psychologist Special Edition</b>	<i>August 2020</i>
<b>President of TFC UPenn Student Association</b>	<i>July 2019 - July 2020</i>

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*Last updated on October 31, 2020*