

QIYANG ZHANG

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EDUCATION

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

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.

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

Zhang, Q. (2020). The cost of illiteracy: A causal inference study on how illiteracy affects physical and mental health. *Health Education Journal*. August 2020. [doi:10.1177/0017896920949894](https://doi.org/10.1177/0017896920949894)

MANUSCRIPTS UNDER REVIEW AND WORKING PAPERS

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]

OTHER PUBLICATIONS

Zhang, Q. (2020, November 10) Are computer-supported literacy interventions effective for young children? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/11/10/are-computer-supported-literacy-interventions-effective-for-young-children/>

Zhang, Q. (2020, October 13) The power of texting: combating student absenteeism. *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/10/13/the-power-of-texting-combating-student-absenteeism/>

Zhang, Q. (2020, September 29) Is it time for technology in math education? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/09/29/is-it-time-for-technology-in-math-education/>

Zhang, Q. (2020, September 15) How can education technology enhance learning outcomes? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/09/15/how-can-education-technology-enhance-learning-outcomes/>

Zhang, Q. (2020, September 1) Are low-performing schools curable? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/09/01/are-low-performing-schools-curable/>

Zhang, Q. (2020, August 19) The endangered psychological well-being of students due to COVID-19. *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/08/19/the-endangered-psychological-well-being-of-students-due-to-covid-19/>

Zhang, Q. (2020, August 4) Simulation-based learning as a bridge between theory and practice. *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/08/04/simulation-based-learning-as-a-bridge-between-theory-and-practice/>

Zhang, Q. (2020, July 21) Are early reading programs helping young struggling readers? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/07/21/are-early-reading-programs-helping-young-struggling-readers/>

Zhang, Q. (2020, July 7) How effective are book giveaway programs in improving children's literacy? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/07/07/how-effective-are-book-giveaway-programs-in-improving-childrens-literacy/>

Zhang, Q. (2020, June 23) High-dosage reading tutoring in public schools as an alternative to charter schools. *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/06/23/high-dosage-reading-tutoring-in-public-schools-as-an-alternative-to-charter-schools/>

Zhang, Q. (2020, June 9) Are game-enhanced educational programs effective? *Best Evidence in Brief*. <https://beibindex.wordpress.com/2020/06/09/are-game-enhanced-educational-programs-effective/>

CONFERENCE PRESENTATION

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, 2021)

Zhang, Q. and Mittal, S. (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 (February, 2021)

Zhang, Q. (2020) The impact of COVID-19 on students, teachers, and schools. Paper presentation at the 2021 annual meeting of the Comparative and International Education Society Conference (April, 2021)

RESEARCH EXPERIENCE

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

TEACHING EXPERIENCE

Teaching Assistant at National University of Singapore IE2150 Human Factor Engineering	<i>January – April 2019</i>
Tutor at Pantheon Education IB Physics, Chinese, IGCSE Combined Science, O-level Physics	<i>January – April 2019</i>

TECHNICAL AND LANGUAGE SKILLS

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

STATISTICAL & METHOD TRAINING

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

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

LEADERSHIP AND VOLUNTEERING

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

Last updated on December 27, 2020