

WEI (WILLIAM) ZHU

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EDUCATION

The University of Chicago, Chicago, IL
MA Computational Social Science

August 2020 - June 2022 (expected)
GPA: -/4

Haverford College, Haverford, PA
BA Sociology, Minor in Statistics

September 2015 - May 2019
GPA: 3.73/4, GRE: V:165 Q:167 W:5.0

WORK EXPERIENCE

Full-time Research Assistant, Westat, Rockville, MD

Summer 2019 - Summer 2020

- Conducted survey data analyses, literature review, participant observations, and report writing for 8 evaluation projects. Used R and Excel on a daily basis.

PROJECTS

Improving the Use of Research Evidence | Westat | R & Excel

Summer 2019- Summer 2020

- Collaborated with Dr. Rob Olsen at Westat and Dr. Elizabeth A. Stuart at Johns Hopkins Bloomberg School of Public Health on a research project funded by William T. Grant Foundation (\$595,785).
- Compiled 2 datasets from the National Center for Education Evaluation (NCEE) restricted-access database.
- Imputed missing values using regression tree (partykit) and hot-deck imputation (mice).
- Building models using LASSO (glmnet) to predict the effectiveness of school intervention programs on other schools.

Verizon Innovation Learning Schools (vils) | Westat | R & Excel

Summer 2019- Summer 2020

- Used R and Excel for survey data analysis and visualization for 200+ schools that participate in classroom digital learning program sponsored by Verizon and Digital Promise.

Racial Equity Action Leadership (REAL) program evaluation | Westat

Summer 2019- Summer 2020

- Participant observer at 8 monthly workshops where local corporate leaders discuss racial equity in organizations.
- Organized 2 focus groups, administered and analyzed 10 surveys, and co-authored in the final report for evaluation.

Meta-analysis for Program Evaluation | Westat

Summer 2019-Summer 2020

- Collaborated with Dr. Ning Rui and Dr. Tom Munk on Internal Meta-analysis of school-based dropout prevention programs for students with disabilities. Resubmitted research paper to *Studies in Education Evaluation*.

Senior Thesis | Haverford College | Advisor: Mark Gould

Summer 2018 - Spring 2019

- Conducted a year-long research project on the influence of Taiwan's tech-innovation industry on democratization.
- Completed a 21,000-word Senior Thesis (Received 4.0). Presented at monthly department meetings.

Parental Expectation and Academic Achievement | Haverford College

Spring 2018 -Summer 2019

- Constructed an explanation for the difference in academic expectations among Asian, white, and Mexican American parents and how it contributes to the academic achievement gap among students.
- Presented paper "The Skew of Pathways: The Structural Explanation for the Asian American Academic Achievements" at 2019 American Sociological Association (ASA) Annual Meeting *Sociology of Education* session.

UNDERGRADUATE EXPERIENCE

Teaching Assistant, Haverford College

Fall 2018 - Spring 2019

- Organized 24 two-hour-long weekly TA sessions for Professor Mark Gould's *Foundations in Social Theory* course.
- Helped 12 students review and clarify theoretical concepts on Weber, Durkheim, Luhmann, Parsons, and Habermas.

International Student Resource Persons (ISRP), Haverford College

2016-2017 & 2018-2019

- Organized 20 workshops at International Student Orientation (ISO) program for 120 incoming international students (Class of 2020 and Class of 2022) from 35 different countries around the world.
- Honoree for the Class of 2019 Service to Diversity Reception.

SKILLS

R (tidyverse, glmnet), Python (numpy, pandas, matplotlib, sklearn), L^AT_EX, HTML, Excel