WEI (WILLIAM) ZHU

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EDUCATION

The University of Chicago, Chicago, IL August 2020 - June 2022 (expected)
MA Computational Social Science **GPA**: -/4

Haverford College, Haverford, PA September 2015 - May 2019
BA Sociology, Minor in Statistics **GPA**: 3.73/4, **GRE**: V:165 Q:167 W:5.0

SKILLS

R (tidyverse, glmnet, mice), Python (numpy, pandas, matplotlib, sklearn), LaTeX, HTML, CSS, Excel

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).
· Prepared 2 school-level datasets (1/3 of the project) using R (tidyverse) from the National Center for Education Evaluation (NCEE) restricted-access student-level database.
· Imputed missing values using regression tree (partykit) and hot-deck imputation (mice).
· Built 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 in which local corporate leaders learn and discuss racial equity in organizational settings.
· Organized 2 focus groups, administered and analyzed 10 surveys, and co-authored in the final report for 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 10+ 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.