Charlotte Schluger

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Philadelphia, PA
December 2024

Education

Pursuing a PA 7-12 Math Teaching Certification, Relay Graduate School of Education
July 2024 - June 2025

B.A. in Computer Science, Cornell University
August 2017 - May 2021, graduated summa cum laude.

Work Experience

Support Teacher - Resident   August 2024 - Present
Mastrey Charter Schools - Shoemaker Campus ; Philadelphia, PA
As a student teacher, I am working my up the gradual on-ramp to becoming a full time teacher of record. I co-teach 9th grade Algebra in a classroom with an experienced teacher and am developing my skills as a teacher in alignment with the classes I am taking at Relay Graduate School of Education to become a certified teacher by June 2025.

Substitute Teacher   September 2023 - June 2024
Mastrey Charter Schools / All Source Staffing ; Philadelphia, PA
Teach a range of subjects to seven through twelfth grade students on a short term basis. I additionally fill in at the front desk for up to a week at a time, managing dozens of parents and visitors, and coordinating with the admin team to keep the school running smoothly.

Data Scientist   March 2022 - September 2023
Research Institute at the Children's Hospital of Philadelphia; Philadelphia, PA
Played a critical role in cutting edge pediatric biomedical research. Collaborating with doctors and research teams, my role was to plan and execute robust data analyses for novel scientific findings; to write about these results for publications; to find, design, manage, and integrate new data sources for analysis; and to develop new research projects taking full advantage of state of the art data science practices.
- Used R and Python programing to conduct analyses & produce reproducible research reports.
- Worked with a variety of data sizes from datasets of hundreds of thousands of records down to dozens, employing a variety of methods as appropriate in each scenario.
- Published results in 5 research papers in respected peer-reviewed medical journals.
- Proposed and lead my own research project, with results in review for publication.

Research Intern   September 2019 - December 2021
Cornell University ; Ithaca, NY
Led research on the potential role of predictive machine learning algorithms to improve discourse in meaningful online discussions. We developed two prototype tools harnessing a new technology; I carried out a qualitative interview study of Wikipedia admins to assess one prototype tool, and we used a randomized experimental design on Reddit to evaluate the other.
- Results published in two papers in the 2022 ACM Conference on Computer-Supported Cooperative Work & Social Computing, one as first author.

Teaching Assistant   August 2020 - May 2021
Cornell University ; Ithaca, NY
Served as a TA for *Intro to Machine Learning*, a senior/graduate level course, and *Choices and Consequences in Computing*, an introductory level course.
- Held weekly office hours to support students, developed curriculum, and graded student assignments and exams.

Research Intern   Summer 2018 & Summer 2019
Cornell University ; New York, NY
Developed a multiplayer online game with robust data collection elements in order to collect training data for a state of the art machine learning challenge testing abilities of AIs to plan and execute tasks collaboratively.
- Results published in the 2019 Conference on Empirical Methods in Natural Language Processing