

# 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 way 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 programming 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 potential the 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