

Charlotte Schluger

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charlotte-schluger.com
Located in Philadelphia, PA

Education

B.A. in Computer Science, Cornell University

August 2017 - May 2021, graduated summa cum laude.

Skills

Strong quantitative and qualitative research skills

- Experiment design and execution
- Data analysis, integration, and management
- Background research and literature review
- Technical writing from drafting analysis plans to writing results for publication
- Advanced programming in Python and R

Strong project management skills

- Balance several projects with complex timelines while maintaining productivity
- Manage timelines and intermediate goals for large collaborative projects

I am a quick learner and a motivated young professional.

- Quick learner
- Proficient in standard office technologies.

Work Experience

Substitute Teacher

September 2023 - Present

Mastrey Charter School / All Source Staffing; Philadelphia, PA

Teach a range of subjects to seven through twelfth grade students on a short term basis.

Data Scientist

March 2022 - September 2023

Research Institute at the Children's Hospital of Philadelphia; Philadelphia, PA

Played a critical role in pediatric biomedical research projects. Collaborating with doctors and research teams, my role was to plan and execute robust data analyses to get our 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.

- Results published in 4 research papers in respected pediatric journals.

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 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

Freelance STEM tutor

On and off since 2019

Remote

Worked over a dozen students at the elementary, high school, and college level, to support STEM class work or to introduce new computer science topics to eager students.

Publications

Clinical Characteristics and Outcomes of Hepatocellular Carcinoma Following Fontan Palliation

Yuli Y. Kim, ..., Charlotte Schluger, Jungwon Min, ... Maarouf Hoteit
The European Heart Journal 2023

Hepatocellular Carcinoma in the Fontan Survivor: A Multicenter Case-Control Study

Yuli Y. Kim, ..., Charlotte Schluger, Jungwon Min, ... Maarouf Hoteit
Journal of the American College of Cardiology 2023

Impact of ventricular dysfunction and atrioventricular valve regurgitation on pre-Fontan attrition

Kathryn O. Stack, Charlotte Schluger, Amy Roberts, ...
The Annals of Thoracic Surgery 2023

★ Proactive Moderation of Online Discussions: Existing Practices and the Potential for Algorithmic Support

Charlotte Schluger, Jonathan P. Chang, Cristian Danescu-Niculescu-Mizil and Karen Levy
Proceedings of CSCW 2022

Thread With Caution: Proactively Helping Users Assess and Deescalate Tension in Their Online Discussions

Jonathan P. Chang, Charlotte Schluger and Cristian Danescu-Niculescu-Mizil
Proceedings of CSCW 2022

Executing instructions in situated collaborative interactions

Alane Suhr, Claudia Yan, Charlotte Schluger, Stanley Yu, Hadi Khader, Marwa Mouallem, Iris Zhang, Yoav Artzi
Proceedings of EMNLP 2019

References Across the Internet

- Described by former advisor as an "extremely strong and motivated co-author"
- Acknowledged in Alane Suhr's PhD dissertation