

Charlotte Schluger

Education

Post-Bacc. Certification Program, Relay Graduate School of Education

Philadelphia, PA; July 2024 - June 2025

- Graduated with honors.
- Earned a Pennsylvania Teaching Certification for 7-12 Mathematics.

B.A. in Computer Science, Cornell University

Ithaca, NY; August 2017 - May 2021

- Graduated summa cum laude.

Teaching Experience

Associate Teacher - High School Geometry

March 2025 - June 2026

Mastery Charter Schools - Shoemaker Campus; Philadelphia, PA

Taught six geometry classes to a diverse group of 130 students across ninth-twelfth grade.

- Implemented IEP supports and differentiation for students who make up 25% of the school population.
- Modified and created my own curriculum resources to create culturally responsive and differentiated materials to support all students.
- Built meaningful family partnerships to support student success, including weekly contact with students' families via call or text, and quarterly parent teacher conferences in person.

Support Teacher - Resident

August 2024 - March 2025

Mastery Charter Schools - Shoemaker Campus; Philadelphia, PA

As a student teacher, I co-taught ninth grade Algebra with an experienced teacher in alignment with the certification program at Relay Graduate School of Education. In March, I took over the school's high school geometry class as the full teacher of record after the position became vacant.

Substitute Teacher

September 2023 - June 2024

All Source Staffing / Mastery Charter Schools - Shoemaker Campus; Philadelphia, PA

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

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, graded student assignments and exams, & workshopped new curriculum with professors.

Personal Tutor

September 2015 - June 2017

Freelance; New York, NY

Provided personalized academic support to elementary and middle school students across a range of stem subjects in weekly, hour long tutoring sessions.

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Research Experience

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, I planned and executed robust data analyses for novel scientific findings; wrote about these results for publications; found, designed, managed, and integrated new data sources.

- 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.
- Results published in 6 research papers in respected peer-reviewed medical journals.

Research Intern

September 2019 - December 2021

Cornell University; Ithaca, NY

Led research exploring the use cases of new Natural Language Processing techniques to assist online discussion moderation, with results published in two papers in the 2022 ACM Conference on Computer-Supported Cooperative Work & Social Computing, including one as first author.

- Led full stack development of two prototype AI tools central to our research questions.
- Conducted an interview study of our prototype moderator facing tool.

Research Intern

Summer 2018 & Summer 2019

Cornell University; New York, NY

Developed of a collaborative multiplayer online game that served as the setting of a novel AI model designed for executing instructions in collaborative interactions with users.

- I led development of the networked online multiplayer aspect of the game, including robust data collection subsequently used to create the training data for the AI model.
- Results published in the 2019 Conference on Empirical Methods in Natural Language Processing

Publications

Selected Highlights:

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. DOI: 10.1145/3555095

Thread With Caution: Proactively Helping Users Assess and Deescalate Tension in Their Online Discussions. Jonathan P. Chang, Charlotte Schluger, Cristian Danescu-Niculescu-Mizil. Proceedings of CSCW, 2022. DOI: 10.1145/3555603

Modeling the distribution and progression of motor ability among children with cerebral palsy: An analysis of three reference centile sets. Rachel Sanderlin, Charlotte Schluger, Joe Wu, Francis Eusebio, Amy Roberts, Laura Prosser. Heliyon, 2024. DOI: 10.1016/j.heliyon.2024.e40615

Executing instructions in situated collaborative interactions. Alane Suhr, Claudia Yan, Charlotte Schluger, Stanley Yu, Hadi Khader, Marwa Mouallem, Iris Zhang, and Yoav Artzi. Proceedings of EMNLP, 2019. DOI: 10.18653/v1/D19-1218

CHOP Cardiac Center Research:

Characteristics and Survival Outcomes of Hepatocellular Carcinoma After the Fontan Operation.

Rosenthal, Benjamin, Maarouf A. Hoteit, Gentian Lluri, Christiane L Haefele, Tami Daugherty, Richard A. Krasuski, John D. Serfas, Roger Andrew de Freitas, Avaliese Porlier, Adam M. Lubert, Fred Wu, Anne Marie Valente, Eric V. Krieger, Yonatan Buber, Fred H Rodriguez, Scott Gagnard, Anita

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Saraf, Morgan Hindes, Michael G. Earing, Matthew J. Lewis, Marlon S. Rosenbaum, Ali N. Zaidi, Kali A. Hopkins, Elisa A. Bradley, Ari Michael Cedars, Jong L. Ko, Wayne J Franklin, Abby Frederickson, Salil Ginde, Jasmine Grewal, Annique Nyman, Jungwon Min, Charlotte Schluger, Elizabeth Rand, Moira Hilscher, Jack Rychik and Yuli Y. Kim. JACC: Advances Volume 4, 2025. DOI: 10.1016/j.jacadv.2025.101646

Hepatocellular carcinoma in survivors after Fontan operation: a case-control study. Yuli Y Kim, Gentian Lluri, Christiane Haeffele, Tami Daugherty, Richard A Krasuski, John D Serfas, R Andrew de Freitas, Avaliese Porlier, Adam M Lubert, Fred M Wu, Anne Marie Valente, Eric V Krieger, Jonathan Buber, Fred H Rodriguez, III, Scott Gaignard, Anita Saraf, Morgan Hindes, Michael G Earing, Matthew J Lewis, Marlon S Rosenbaum, Ali N Zaidi, Kali Hopkins, Elisa A Bradley, Ari M Cedars, Jong L Ko, Wayne J Franklin, Abby Frederickson, Salil Ginde, Jasmine Grewal, Annique Nyman, Jungwon Min, Charlotte Schluger, Elizabeth Rand, Benjamin E Rosenthal, Moira Hilscher, Jack Rychik, Maarouf A Hoteit. European Heart Journal, 2023. DOI: 10.1093/eurheartj/ehad788

Clinical Characteristics And Outcomes Of Hepatocellular Carcinoma Following Fontan Palliation. Yuli Y. Kim, Annique Nyman, Benjamin Rosenthal, Gentian Lluri, Christiane Haeffele, Andrew Defreitas, Adam Lubert, Richard A. Krasuski, Fred Wu, Eric V. Krieger, Anita Saraf, Michael Earing, Matthew J. Lewis, Fred H. Rodriguez, Ali N. Zaidi, Elisa Bradley, Ari M. Cedars, Wayne J. Franklin, Salil Ginde, Jasmine Grewal, Charlotte Schluger, Jungwon Min, Moira Hilscher, and Maarouf Hoteit. Journal of the American College of Cardiology, 2023. DOI: 10.1016/S0735-1097(23)01984-8

Impact of Ventricular Dysfunction and Atrioventricular Valve Regurgitation on Pre-Fontan Attrition. Kathryn O Stack, Charlotte Schluger, Amy L Roberts, Kendall Lawrence, Sheri Balsara, Mallory Hunt, Michelle Kaplinski, Monique M Gardner, Chitra Ravishankar, Joseph Rossano, David J Goldberg, Marlene Mahle, Matthew J O'Connor, Christopher E Mascio, J William Gaynor, Danielle Burstein. The Annals of thoracic surgery, 2023. DOI: 10.1016/j.athoracsur.2023.05.046