Kristin Fasiang

PhD Student in Computer Science & Learning Sciences

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Education

Northwestern University   *Evanston, IL*
Ph.D Student in Computer Science & Learning Sciences   *Sep. 2023 - Present*
Studying identity and self-assessments in introductory computing education, advised by Professor Eleanor O'Rourke

Loyola University Chicago   *Chicago, IL*
B.S. in Mathematics & Secondary Education, Minor in Computer Science   *Aug. 2019 - May 2023*
Graduated with Highest Honors

Research Experience

Understanding the Role of Experience and Identity in Forming Self-Assessments   *Evanston, IL*
Delta Lab | PI: Dr. Eleanor O'Rourke   *Jan. 2024 - Present*
- Developed and ran an interview study to explore how students draw on previous experience and identities when self-assessing their ability at particular expected moments in the programming process.
- Conducted a grounded theory analysis of interview data to understand the interplay between sense of belonging and small moments in the programming process as one source of students' self-assessments.

Understanding High School Students' Perceptions of Authenticity   *Evanston, IL*
Delta Lab | PI: Dr. Eleanor O'Rourke   *Jan. 2024 - Sep. 2024*
- Developing and conducting a theoretically-grounded survey study to understand how different learning environments are perceived by computer science students. *Conference paper in preparation.*

Low Power Vision Platform   *Chicago, IL*
Software Systems Laboratory | PI: Dr. Neil Klingensmith   *Jan. 2022 - Jan. 2023*
- Optimized computer vision algorithms using Basic Linear Algebra Subprograms to increase efficiency on low-power edge devices.

Selected Awards & Honors

Computing Excellence Award
Loyola University Chicago Department of Computer Science   *2023*
Awarded for the first time to one graduating senior by computer science faculty to recognize achievement in and commitment to the field of computer science.

Dean's Award
Loyola University Chicago School of Education   *2023*
Awarded by the Dean to one graduating senior from the School of Education for accomplishment in undergraduate studies and commitment to the advancement of social justice in education.

Publications

Fasiang, K., Long, D. 2025. Large Language MadLibs Model AI Assignment. *Proceedings of the AAAI Conference on Artificial Intelligence*.

Teaching Experience

High School Math Teacher   *Hoffman Estates, IL*
James B. Conant High School   *Jun. 2023 - Jul. 2023*

- Taught algebra and geometry to 2 semesters of 10th grade students who experienced challenges in their 9th grade math course.
- Created curricular materials for 13, 6-hour summer class sessions.
- Provided personalized support and feedback while creating a collaborative and engaging class environment.

Student Teacher   *Chicago, IL*
Nicholas Senn High School   *Aug. 2022 - May 2023*

- Instructed over 120 ninth and tenth grade students in Math 1, Math 2, and Computer Science Design courses.
- Consistently achieved a rating of accomplished from Loyola's teaching mentor for knowledge of pedagogy and the creation of supportive and respectful learning environments.
- Designed discussion and inquiry-based lessons in collaboration with cooperating teachers.

Selected Service

Treasurer   *Evanston, IL*
Graduate Women in Computing   *2024 - Present*
Coordinate community-building events for graduate students, research staff, and faculty in computer science programs.

Co-Facilitator   *Chicago, IL*
Girls Who Code   *2023*
Coordinated after school programming and facilitated computing experiences for girls at Senn High School.

Community Outreach Coordinator   *Chicago, IL*
Loyola Future Teachers' Club   *2021-2022*
Maintained relationships between the club and the broader Loyola School of Education. Fostered connections with the local community.

Volunteer Math Tutor   *Chicago, IL*
GEAR UP Chicago   *2021*
Volunteered for 3 hours weekly to prepare CPS students to take the ALEKS math placement exam. Built positive relationships with students to make learning both relevant and enjoyable.

Certifications

Illinois Professional Educator License (issued May 2023)
        Mathematics Endorsement (Grades 9-12)
        Computer Science Endorsement (Grades 5-12)
        ESL Endorsement (PreK-12)