KATHLEEN ISENEGGER (SHE/HER)

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EDUCATION

University of Illinois Urbana-Champaign (UIUC)   *September 2020 - Present*
Ph.D. in Computer Science
Advisor: Colleen M. Lewis

Amherst College, Massachusetts   *September 2016 - May 2020*
Bachelor of Arts cum laude in Computer Science and Sexuality, Women's, and Gender Studies

FELLOWSHIPS

UIUC
Broadening Participation in Computing (BPC) Fellowship   *May 2021 - August 2022*
Ray Ozzie Fellowship   *August 2020 - May 2021*

HONORS/AWARDS

UIUC
CS Dept. Outstanding Teaching Assistants   *Fall 2022*

PEER-REVIEWED, ARCHIVED, CONFERENCE PUBLICATIONS

Isenegger, K., Fowler, M., Gertner, Y., Hegeman-Davis, R., and Pitt, L. (2024). Designing and Piloting a High School CS+X Topics Course. *Technical Symposium on Computer Science Education (SIGCSE '24)*

Isenegger, K., George, K., Lewis, C. M., and Bruno, P. (2023). Goal-Congruity Theory Predicts Students Sense of Belonging in Computing Across Racial/Ethnic Groups. *Technical Symposium on Computer Science Education (SIGCSE '23)*

Isenegger, K., Birhane, Y., Ojha, V., Coxe, C. and Lewis, C. (2021). Understanding and Expanding College Students' Perceptions of Computing's Social Impact. *6th Annual Conference on Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT '21)*

Isenegger, K., Dong, Y., Shang, M., Furst, J. and Stan-Raicu, D. (2019). Characterizing and Quantifying Diagnostic (Un)Certainty in Medical Reports Through Natural Language Processing. *6th Annual Conference on Computational Science and Computational Intelligence (CSCI '19)*

Isenegger, K., Dong, Y., Glaser, E., Morain, A. and Gemmell, J. (2019). Comparing Automatically Extracted Topics from Online Mental Health Disorder Forums. *6th Annual Conference on Computational Science and Computational Intelligence (CSCI '19)*

WORKSHOPS

Lewis, C. M., Fowler, M., **Isenegger, K.**, Ojha, V., Perdriau, C., Saffar Prez, M., (2022) Using Physical Models of Java to Make Abstract Concepts Concrete. *Technical Symposium on Computer Science Education (SIGCSE '23)*

TEACHING

Academy High (Champaign, IL)
CS Elective: CS+X   *Fall 2023*

Digital Scholars
Discovering Electronic and Computer Engineering   *Summer 2023*

UIUC Laboratory High School
CS Elective: CS+X   *Spring 2023*

UIUC
Discrete Structures   *Spring 2024*

CS0: Non-Technical Intro to Computing   *Spring 2021, Fall 2022*

CS Student Ambassadors and Research Scholars Seminar   *Fall 2021, Spring 2022*

User Interface Design   *Fall 2020*

Amherst College
CS1: Intro to CS   *Spring 2018, Spring 2020*

CS2: Intro to CS 2   *Fall 2018*

Algorithms   *Fall 2019*

Tutoring

Python, HTML for blind high school graduate   *May 2022 - Present*

SERVICE

BPC K-12 outreach and recruiting subcommittee   *September 2021 - Present*

High school research internship   *June - July 2022, 2023*
Teacher and mentor

CS Direct Reading Program   *December 2022 - January 2023*

UIUC Education Justice Project   *April 2023*
Workshop teacher

UIUC graduate students union (GEO)
CS department steward   *August 2021 - Present*

Officer at large   *August 2021 - May 2022*

Illinois CS Kickstart (college bridge program)   *August 2021, 2022*
Lead organizer and teacher

High school computer science camps   *June - August 2021*
Teacher and facilitator

RESEARCH EXPERIENCE

Syntax Exercise Project   *November 2023 - Present*
Advisor: Colleen M. Lewis   Institution: UIUC

High School Mentoring Project   *September 2023 - Present*
Advisor: Yael Gertner   Institution: UIUC

CS+X Curriculum Project   *January 2022 - Present*
Advisor: Yael Gertner   Institution: UIUC

Goal Congruity Theory Project *January 2021 - Present*
Advisor: Colleen M. Lewis   Institution: UIUC
Collaborating with the Computing Research Association

BPC Enactment Strategies Project *October 2020 - Present*
Advisor: Colleen M. Lewis   Institution: UIUC

Devaluation Theory Project *January 2022 - June 2023*
Advisor: Colleen M. Lewis   Institution: UIUC

User-Interface for Unstructured Feedback Project *August 2020 - December 2020*
Advisor: Brian Bailey   Institution: UIUC

Data Mining Approximation Algorithm Project *September 2019 - May 2020*
Advisor: Matteo Riondato   Institution: Amherst College

Diagnostic Uncertainty Natural Language Processing Project *June 2019 - November 2019*
Advisor: Jacob Furst   Institution: DePaul University

Mental Health Reddit Natural Language Processing Project *June 2019 - November 2019*
Advisor: Jacob Furst   Institution: DePaul University