

EDUCATION

Clark University - Worcester, MA | Bachelor of Arts expected 2022
Math & Computer Science, Traina scholarship recipient, LEEP Fellowship 2020

SKILLS

Software: Aegisub, PhotoScan, JMP
Most familiar: LaTeX, Java, Python, Kotlin + React/Firebase
Familiar: R, Octave, C++, HTML/CSS, JavaScript

WORK EXPERIENCE

Research Assistant (Feb 2020 - Present)

Clark University Department of Mathematics & Computer Science | Worcester, MA

- Work with Dr. Shuo Niu on human-computer interaction projects. We scraped data from YouTube and performed hypothesis testing and ground theory analysis, and wrote our own YouTube crawler package.
- Use Python to automate data mining pipeline and visualize data; use JMP to analyze key findings.

Research Intern (Feb 2021 - Present)

Carnegie Mellon University | Remote

- Work at Dr. Bruce McLaren's lab on intelligent tutoring system.

Teaching Assistant (Sep 2019 - Present)

Clark University Department of Mathematics & Computer Science | Worcester, MA

- Assist students with coding problems, grade homework, and hold discussion hours
- Computer science classes: Intro to Computer Science, Data Structures, Automata Theory
- Math classes: Honors Calculus I & II, Discrete Math

Research Assistant (Sep 2018 - Feb 2021)

Next Generation Science Exemplar | Worcester, MA

- Writing small apps in Java and Python to facilitate research in productive talk moves with Dr. Sarah Michaels.
 - Leading discussion equity analysis by testing out different methods of representing talk time and soundbites
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PUBLICATION & POSTERS

(Accepted) Shuo Niu, Ava Bartolome*, **Cat Mai***, and Nguyen B. Ha*. 2021. #StayHome #WithMe: How Do YouTubers Help With COVID-19 Loneliness? CHI Conference on Human Factors in Computing Systems (CHI '21)

(In prep) Shuo Niu*, **Cat Mai***, Anonymous Authors, How YouTubers Participate in a Social Media Campaign: A Culture-Based Analysis of #TeamTrees

(Poster) **Mai, C**, Chiem, T, Hassan, A, "Odd One Out": Model Based Biology in an ESL Classroom, Clark Academic Fall Fest 2019