



Gregory Croisdale

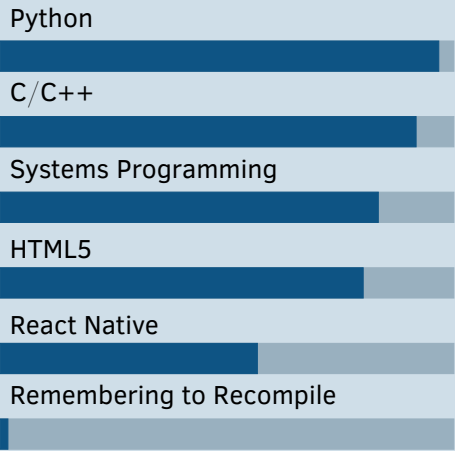
Computer Scientist

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About Me

I'm studying ways that people can safely interact with state-of-the-art tools and media. Be it developer tools, recommendation algorithms, user interfaces, or interactive learning environments, I want to help contribute to an efficient and sustainable relationships between Humans and Computers.

Skills



Links

Personal Website: greg.croisdale.us
Here, you can find more about my various projects and what I've been up lately.

Carve: carve.chemicaldevelopment.us
This is a client-side RISC-V emulator and debugger I created for students.

PAIRS: pairs.eecs.utk.edu
This is the lab page for my primary research group at UTK.

CSCTW: csctw.org
This is the organizational page which contains much of my work from the ELPS.

Education

2018-2022 **B.S. Computer Science** Knoxville, TN
Math and Philosophy Minors
University of Tennessee, Knoxville
3.94 GPA

Research

- Jan 2020 **Montgomery 1960: Using Technology to Teach Empathy and Perspective Taking**
American Historical Association Annual Conference; New York City, NY
- Aug 2020 **Improving the Empathetic Response of Academically Focused Students through Historical Gamification**
UTK Discovery Day; Knoxville, TN
- Aug 2021 **Improving Accessibility to FFT Stencil Computations**
Summer Research Symposium; Online
- Sept 2021 **Exploring Learning Approaches for Ancient Greek Character Recognition with Citizen Science Data**
17th IEEE eScience; Online

Experience

- Jan 2021 **Undergraduate Researcher - PAIRS Research Group** Knoxville, TN
With the PAIRS research group, I have actively contributed to three different projects in the fields of HCI. I have co-authored a paper and am in the process of leading a project which aims to automatically resolve command-line errors by referencing and updating existing crowdsourced Q&A sources. As a leader of a research project in PAIRS, I coordinate the efforts of team members, schedule and lead weekly meetings, and regularly present progress to our group.
- Aug 2019 **Undergraduate Teaching Assistant and Tutor** Knoxville, TN
I have been a Supplemental Instructor, Group Tutor, or Undergraduate Teaching Assistant in some capacity since my Sophomore year of my Undergraduate. I regularly lead lab sessions, provide individual and group tutoring sessions, grade work, assist in the production of lab materials, and create demonstrative projects. In particular, I lead the creation of a project called Carve to help students learn and debug RISC-V assembly.
- 2019 - 2020 **Undergraduate Researcher - Educational Leadership and Policy Studies Department (ELPS)** Knoxville, TN
I had the honor of leading a Design Team with the ELPS which sought to create a framework for a game which used hundreds of hours of original interviews and gigabytes of documents to teach historical contextualization and empathy. In my time with this group, I created game demos and websites, performed small user studies, and performed interviews with college students from Alabama State who participated in Civil Rights protests in 1960.

Accolades & Grants

- 2021 **NSF REU Grant Recipient (1950042)** Stony Brook University
- 2021 **Gonzalez Family Award for Excellence Undergraduate Teaching Assistant** University of Tennessee, Knoxville
- 2020 **SURGE Grant Recipient** University of Tennessee, Knoxville
- 2020 **Travel Grant Recipient** University of Tennessee, Knoxville