morgan.b.jackson7@gmail.com • 815-721-3115

Morgan Jackson

Proficiencies

Programming Languages:	Python, C, C++, Java, JavaScript, TypeScript, SQL
Other Technologies/Tools:	HTML, CSS, React, Bash, Git, Emacs, MySQL, MongoDB
Other Software:	Adobe Photoshop, Autodesk Inventor, Microsoft Office, Figma

Experience

URCA Assistant   Jan. 2022 – Present   **Edwardsville, IL**
Undergraduate Research & Creative Activities, SIUE

- Working with faculty mentors and fellow assistants in an independent study
- Developing a react app to study microaggressions
- Contributing to a scientific paper comparing user interfaces

Frontend Software Engineer   Feb. 2021 – Aug. 2021   **St. Louis, MO (Remote)**
Midway Spark

- Developing pages for Prismatic web app with Figma and Typescript with React
- Weekly stand-ups to track progress on tasks on company Kanban board
- Engaging in training from experienced engineers to learn concepts in human computer interaction, agile teams, RESTful API, and other elements of company tech stack

Photographer   Feb. 2020 – May 2020   **Edwardsville, IL**
The Alestle

- Photography for SIUE's student newspaper, including taking, editing, and captioning photos
- Working with fast turnaround times meeting strict deadline
- Reporting/writing stories when additional reporters were unavailable

Education

Bachelor of Science, Computer Science   Fall 2019 – Present (Grad. Spring 2023)   **Edwardsville, IL**

Minors:	Math, Political Science
Relevant Coursework:	Human Computer Interaction, Database and Web System Development
Honors & Awards:	University Honors Program, Dean's List (All Semesters)

Activities & Leadership

Director of Community   April 2021 – Present   **Edwardsville, IL**
SIUE Programming & Research Collaboration
Founding Member

- Developing organization to allow SIUE students to gain experience outside classroom
- Organizing collaborative coding exercises for members to learn from each other
- Grew organization to over 100 members signed up within first month of fall semester

Projects

Crowgenium   Aug. 2021 – Present   **Edwardsville, IL**
HCI Group Project

- Working with two team members to design a shopping app for comparing stores from scratch
- Starts with brainstorming problems, contextual inquiries, and developing solutions
- Created paper prototype, conducted usability tests, then made Figma hi-fi prototype

MIPS Super Scalar Emulator   Feb. 2021 – May 2021   **Edwardsville, IL**
Class Project

- Created an emulator using Python of a five-stage superscalar processor pipeline with registers, buffers, and memory
- Implemented the ability to disassemble, interpret, and perform 13 different MIPS Assembly language instructions