

Daniel Sochoux

Hi, I'm Daniel, an upcoming computer science graduate with a strong passion for continuous learning and problem solving. I'm interested in exploring various domains within software engineering.

Redwood City, CA

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EDUCATION

University of Michigan, Ann Arbor, MI — *B.S. Computer Science, Minor in Philosophy*

AUG 2020 - APR 2024 (Expected)

GPA: 3.81/4.00

Coursework: Data Structures and Algorithms, Applied Linear Algebra, Database Management Systems, Web Systems, Computer Vision

PROGRAMMING LANGUAGES

Proficient: Python, C++

Familiar: HTML, CSS, JavaScript, Java, Swift

TOOLS

React, Flask, Node.js, Firebase, Jinja, SQL, NoSQL, Git

VSCode, XCode, MacOS

EXPERIENCE

Seven Mile, Ann Arbor, MI — *Co-Director of Coding Branch*

SEP 2021 - PRESENT

- Manages a team of community coordinators and teachers to provide after school children in Detroit with weekly coding lessons.
- Collaborates in crafting curriculum for lessons, including slide shows, exemplar projects, and starter code, while also assisting in teaching.

Soundskrit, Ann Arbor, MI — *Engineer Intern*

MAY 2022 - AUG 2022

- Created Python software to control a semi-automatic probe, streamlining testing and cataloging of MEMS devices on wafers containing 1000+ devices each.
- Utilized Python scripting to analyze capacitance-voltage test data, generate heat maps and graphs to discern manufacturing trends, and communicated our findings on a weekly basis.
- Conceptualized the development of a Python program utilizing PIL and OpenCV to analyze images of MEMS devices, with the aim of identifying manufacturing defects.

Target, Redwood City, CA — *Cashier*

JUN 2018 - AUG 2018

- Maintained all aspects of cash register operations, delivering swift and accurate checkout processes and ensuring a seamless customer experience, including the self-checkout section.

PROJECTS

Sesh.Study — 2023

- Designed and programmed a web application for university students to create and find study sessions.
- Created a React front end that works on devices of all sizes, leveraged FireBase for user authentication and data management.

Insta485 — 2023

- Developed and deployed a client-side dynamic Instagram clone on AWS as part of a project series in EECS485.
- Implemented a REST API and utilized React, JavaScript, and Flask to build features such as infinite scroll.

Guestwall — 2023

- Developed a digital guest wall where guests take and upload a picture to recreate the classic Polaroid guest wall experience.
- Built a simple and intuitive interface with Python, Flask, and Jinja2 for uploading a picture and viewing all the space's past guests.