Mignot Mesele
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EDUCATION

University of California, Santa Cruz, Santa Cruz, CA — June 2025
Bachelor of Science in Computer Science — GPA: 3.56
Relevant Coursework: Programming Abstraction(Python), Computer Systems and C Programming, Analysis of Algorithms, Machine Learning : Data Analysis and Empirical Methods, Data Structures and Algorithms, Computer Architecture, Foundations of programming languages

SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, RISC V, C, C++, C#, Bash, Powershell, SQL, Kotlin
Tools and Frameworks: Git, Github, Django, Pygame, PostgreSQL, Node.js, unix, PowerBI, Cloud SQL, Jetpack compose, socket, pyAutoGui, selenium
Soft Skills: Communication, Organization, Growth-mindset, Reliable, Teamwork, Problem-Solving, Collaborator
Interests: Databases, UX, AI, Web Development, Full stack dev, software engineering, android development

Work EXPERIENCE

Ethiopian Christian Fellowship Church — July 2024-Present
Tech Engineer — Los Angeles, CA

- Leveraging the PowerPoint API to automate the extraction of email content, enabling the generation of PowerPoint slides for the Media team to display song lyrics and Bible verses.

RELEVANT EXPERIENCE

Modbot Wireless Control System

- Developed sophisticated client and server applications utilizing the Python socket library to facilitate seamless data transmission from a wired controller connected to a laptop. This system enabled wireless communication with a modular robot, ensuring precise and efficient movement.

ChatAi

- Developed a streamlined application using Next.js, React, and Material-UI, featuring a chat interface for user interaction with the Llama 3.1 LLM via the OpenRouter API. Integrating Firebase for authentication and Firestore database management.

ClassesToCalender

- Developed a Python script leveraging the Selenium library and Google Calendar API to automate the extraction of class schedules from the UCSC portal, seamlessly integrating them into Google Calendar, thereby eliminating the need for manual setup.

ConcurConnect

- Engineered a sophisticated multilayered client-server architecture utilizing the HTTP protocol to enable parallel communication and seamless data exchange across multiple clients.

Deuteranopic Image Converter

- Developed an advanced tool to convert images to a deuteranopic color scheme, enhancing accessibility for individuals with deuteranopia by accurately simulating color perception adjustments.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Autoslug — September 2023-Present
Firmware Engineer — *Santa Cruz, California*

- Developed a program that utilizes the rasp berry pi pico and gpio library to request and received data from an ultrasonic sensor to equip a modular bot with distance sensing capabilities for object recognition using C.

Google Developer Student Club — October 2023-Present
Backend Developer — *Santa Cruz, California*

- Engineering a sophisticated android app hosted on Firebase, to assist students in efficiently organizing their course load, leveraging scikit-learn for data preprocessing and TensorFlow for developing a machine learning algorithm, attempting to provide optimized class recommendations