

Jotham Teshome

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Education

Michigan State University
Bachelor of Science, Computer Science
Minor, Business

Expected, Dec 2022
GPA: 3.66

Experience

MSU Senior Capstone

Sep 2022 - present

Software Engineering Intern

- Developed a software project for a customer by working with a team of six students to enhance customers' banking experience
- Designed and implemented Digital Transformation of Member Data by working closely with the customer to bring their vision for the product to life

NSF REU Project

Sep 2022 – present

Undergraduate Participant

- Analyzed a research paper by taking notes and asking questions to my PhD student mentor to better understand the research topic
- Created a 3D model using the 3D modeling software TinkerCAD to develop a prototype object based on the research topic

MSU College of Engineering Career Center

May 2021 – Aug 2021

Virtual Intern

- Analyzed Covid-19 trends using CDC data and Tableau, creating a visual to better understand the spread of the virus
- Assisted a company in adopting a new business model by evaluating its financials and the willingness to adopt of its subsidiaries to determine the best implementation strategy

Projects

Web Proxy C++

Oct 2022

- Implemented a web proxy by using networking concepts to forward responses to a server to forward web traffic between a client and a server
- Blocked access to specific websites by denying requests to specific host servers to prevent users from accessing forbidden content

Portfolio Website HTML, CSS, JavaScript

Sep 2022

- Created a website using HTML, CSS, and JavaScript to display projects I have worked on
- Increased the accessibility of my website by using responsive sizing to improve the mobile viewing experience

Bulls and Cows C++

Sep 2022

- Implemented Bulls and Cows using socket programming to connect client processes to a server
- Created message sending/receiving functionality by using TCP and UDP sockets to send packets through the network

Skills

- **Programming Languages:** Python, C++, C, JavaScript, Dart
- **User Interface:** HTML, CSS
- **APIs/SDKs/Frameworks:** OpenWeatherMap API, Flutter, Android SDK, iOS SDK
- **Languages:** English (fluent)