Jotham Teshome

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Education

Michigan State University   Dec 2022
Bachelor of Science, Computer Science   GPA: 3.657
Minor, Business

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

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)

Projects

Portfolio Website *HTML, CSS*   Sep 2022
- Created and a website using HTML and CSS to display projects and technologies I've worked with
- 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

Discord Bot *Python*   Nov 2021
- Created a Discord bot using the Disnake library to improve the user experience of a server
- Implemented a method that pulls Reddit posts using the Python Reddit API Wrapper to allow users to check up on their favorite subreddits without leaving Discord
- Implemented a weather reporting method by using OpenWeatherMap APIs and the RESTcountries API to populate accurate weather data