

# 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

## 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, JavaScript*

Sep 2022

- Created a website using HTML, CSS, and Javascript 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