Jotham Teshome

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Education

Michigan State University   Expected, May 2024
Master of Science, Computer Science   GPA: 4.0

Michigan State University   Dec 2022
Bachelor of Science, Computer Science   GPA: 3.69
Minor, Business

Experience

Graduate Teaching Assistant   Sep 2023 – present
MSU College of Engineering
- Evaluated and graded assignments to uphold rigorous academic standards
- Conducted informative and interactive office hour sessions, offering guidance and addressing student inquiries
- Provided students with helpful insight on GitLab, contributing to a productive learning environment by promptly responding to their questions

Software Engineering Intern   Sep 2022 – Dec 2022
MSU Senior Capstone
- 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

Undergraduate Researcher   Sep 2022 – Dec 2022
NSF REU Project
- 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

Projects

Identifying and Removing Toxic Comments *Python*   April 2023
- Developed neural-network based text classification system to identify toxic and non-toxic content
- Used a multi-step approach, including a secondary neural network, to classify words for toxicity within sentences with up to 91% accuracy

Part-Of-Speech Tagger *Python*   April 2023
- Implemented and evaluated neural network models, specifically RNN and LSTM, for POS tagging
- Trained the models on tagged sentences of the Penn Treebank dataset
- Achieved up to 89% accuracy in evaluation tests

Portfolio Website *HTML, CSS, JavaScript*   Sep 2022
- Created and 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

Skills

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