Mutaman Alnaseri

mutaman@umich.edu | (313) 290-9232
www.mutaman.com

Education

University of Michigan **Ann Arbor, MI**
Bachelor of Science in Computer Science and Cognitive Science *December 2022*

- GPA: 3.85/4.0
- Course Highlights: Machine Learning, Computer Vision, Software Engineering, UI Development, Web Systems, Robotics, Java, Data Structures (C++), Statistics.

Relevant Experience

Anaplan **San Francisco, CA**
Software Engineer Intern (Platform) *June 2022 - August 2022*

TechSmith Corporation **Remote**
Software Engineer Intern (C++) *May 2021 - Dec. 2021*

- Created a cross-platform command-line tool that changes what cloud server environment (dev, stage, live) is used
- Performed documentation and maintenance in relation to minor and major revision releases.
- Implemented a chrome extension to work in coordination with the main product.

University of Michigan **Ann Arbor, MI**
Data Science Intern *Sept. 2019 - May 2020*

- Programmed analysis software using R to automatically chart water data of Michigan's Great Lakes over time alongside overlaid rolling averages.
- Uncovered data anomalies in Lake Superior which led to expanded research in regard to how runoff, precipitation, and other variables affect minimum water levels.

University of Michigan **Dearborn, MI**
Research Intern *June 2019 - August 2019*

- Produced graphs, diagrams, and figures which resulted in garnering over 500 signatures in support of a petition to bring up air quality issues in a local council meeting.

Projects

ChatUM Social Media Website

- Implemented features such as infinite scrolling, user database management, ability to follow users, managing a feed, and password encryption using sha256 with salting.
- Utilized server-side dynamic content and client-side dynamic content to generalize content creation for all users and to reduce server load on updating the generated pages.
- Coded with flask for the framework, React for the front-end, and SQLite for the database.

Facial Emotion Classifier

- Created a model to classify a facial expression into one of six emotions (anger, fear, disgust, surprise, neutral, and happiness) with an accuracy of 0.535 on the test set after training.
- Analyzed and preprocessed 36,000 images with a 50/25/25 split for training/testing/validation.

Additional Skills

- Proficient with JavaScript, Python, Kotlin, Android Studio, C++, C, Java, R, MATLAB, scripting, MySQL, SQLite, React, Flask, GitHub, Amazon AWS, Firebase, networks, Unix/Linux environments, IDEs, agile, and debugging.