Mutaman Alnaseri

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EDUCATION

UNIVERSITY OF MICHIGAN *September 2019 - Present*

- **Major:** B.S. of Computer Science and Cognitive Science (expected May 2023)
- **Course Highlights:** Software Engineering, User Interface Development, Computer Vision, Web Development, Machine Learning for Natural Language Processing, Data Structures and Algorithms.
- **GPA:** 3.83

RELATED EXPERIENCE

TECHSMITH CORPORATION – OKEMOS **Okemos, MI**
Software Engineer – Full Time *May 2021 – Dec 2021*

- Created a cross-platform command line tool to alter which cloud server environment the software was pointing to speed up testing between dev, stage, and live environments.
- 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 **Ann Arbor, MI**
Research Assistant – Part Time *September 2019 – May 2020*

- Collaborated with team members to study and analyze water levels of Michigan's Great Lakes.
- Found data anomalies in Lake Superior which led to expanded research in regard to how runoff, precipitation, and other variables effect minimum water levels.
- Programmed statistical analysis software using R alongside creating testing suites to maximize statement and branch coverage to reduce bugs.

UNIVERSITY OF MICHIGAN – DEARBORN **Dearborn, MI**
Research Fellow – Full Time *June 2019 – August 2019*

- Studied effects of pollution on air quality and well-being of residents in polluted communities.
- Produced graphs, diagrams, and figures which resulted in garnering over 500 signatures in support of a petition to bring up air quality issues in local council meeting.

PROJECT EXPERIENCE

CHATUM SOCIAL MEDIA WEBSITE

- Implemented features such as infinite scrolling, user database management, ability to follow users, managing a feed, password encryption using sha256 with salting, and more.
- 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, SQLite for the database, etc.

MACHINE LEARNING ALGORITHM

- Implemented a linear regression machine learning algorithm in order to analyze student academic data determine potential candidates for a scholarship at a local university.
- Analyzed over 300 students from a simple random sample of 3 high schools with 97% accuracy.
- Coded in python and considered factors such as GPA, SAT, and average time spent studying.

ADDITIONAL SKILLS

- Proficient with JavaScript, Python, Kotlin, Android Studio, C++, C, Java, R, MATLAB, scripting, MySQL, SQLite, React, Flask, GitHub, AWS, MapReduce, and more.