

Mutaman Alnaseri

mutamanwork@gmail.com | (313) 290-9232
www.mutaman.com

Experience

Anaplan

Associate Software Engineer (Platform)

- Co-designed and finalized caching layer implementation to go from local to far-near caching (Memcached + Redis).
- Implemented, tested, and deployed the caching layer to production, reducing the generation of auth0 tokens by 75%.
- Implemented public-facing APIs to allow customer access to new features in the product.

Remote

January 2023 - Current

Anaplan

Software Engineer Intern (Platform)

- Researched a redesign of the caching layer to go from local caching to a far-near cache design.
- Implemented and deployed early stages of the new cache design with early results indicating improvements in performance times and storage usage.

San Francisco, CA

June 2022 - August 2022

TechSmith Corporation

Software Engineer Intern (C++)

- 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.

Remote

May 2021 - Dec. 2021

University of Michigan

Data Science Intern

- Analyzed environmental data using R to advance research about climate impact on Michigan's Great Lakes.

Ann Arbor, MI

Sept. 2019 - May 2020

University of Michigan

Research Intern

- Collected and analyzed air quality data in the metro-Detroit area to help improve air quality and reduce illnesses.

Dearborn, MI

June 2019 - August 2019

Education

University of Michigan

Bachelor of Science in Computer Science and Cognitive Science

- GPA: 3.85/4.0
- Course Highlights: Machine Learning, Computer Vision, Software Engineering, UI Development, Web Systems, Robotics, Java, Data Structures and Algorithms, Natural Language Processing, Discrete Math, Statistics.

Ann Arbor, MI

Dec 2022

Projects

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.

ChatUM Social Media Website

- Implemented infinite scrolling, user database management, the 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.

Additional Skills

- Proficient with Java, Python, C++, C, R, MATLAB, NumPy, SQL, React, Flask, Django, Kubernetes, Docker, Helm, GitHub, Amazon AWS, Microsoft Azure, Terraform, REST APIs, Apache Airflow, and Javascript.