

My name is Mohaimin Al Aoun

Software Engineer

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Experience

Software Engineer MicroStrategy

June 2017 - Current Tysons, Virginia

- Led the front-end development of MicroStrategy's data visualization platform using React, Redux, and Javascript.
- Developed and contributed to open-source software such as Quill, NLP Compromise and Plotly to create useful client-facing features such as Natural Language Query Engine.
- Delivered features for the platform's Open Canvas feature that allows data analysts to create, position and overlay complex visualizations in custom dashboards.
- Developed and maintained in-house Javascript framework which has enhanced inheritance and advanced event handlers, and unit tests using Jest, to create a highly performant dashboard authoring experience.
- Wrote automation testing for web platform using Protractor, Cucumber and Chai.

Software Engineering Intern Digital Reasoning

May 2016 - August 2016 Franklin, Tennessee

- Developed an image-recognition web application using AngularJS (Angular 1), ES6, Less and Webpack that allows users to annotate images with bounding boxes and labels in order to provide a training set for the in-house machine learning platform.
- Created and maintained a REST API in Express to allow different internal teams to train the engine to learn object detection, classification, and localization in images.
- Deployed the full-stack web app for desktop and touch-screen mobile devices to provide, visualize and correct predicted annotations for new images using NodeJS, Express, and PostgreSQL.

Undergraduate Teaching Assistant Vanderbilt University

Jan 2016 - May 2017 Nashville, Tennessee

- Created and graded assignments for Digital Logic CS116 for 110 undergraduate students and held office hours to write tests for assignments and to mentor students to build a firm foundation.

Education

Vanderbilt University

Bachelor of Science 2017 **Computer Science**

International Student Grant Awardee 2013-2017

Projects

Tweets Map

Created a React Web Application, set up with Webpack and Babel, to integrate Tweets with location to render map visualizations using MapBox based on user search queries. Developed the app with Material-UI while following a philosophy of test-driven-development throughout the app with Jest, Enzyme and Cypress for end-to-end testing, and used ESLint and Handlebar to ensure scalable production quality code.

Malnutrition App Vanderbilt University Medical Center

Developed a web app with Vanderbilt Center for Human Nutrition, using NodeJS, Express, Angular2, and MongoDB, that allows Vanderbilt University physicians to quickly diagnose and make notes of instances of malnutrition in patients.

Imifai

Developed an Android app that uses the Clarifai API image recognition and feature detection utility to tag photos taken by the user and saves them in a searchable custom gallery.

[Published version 1.0 in Google Play Store](#)

[Won 2nd Prize Overall at Fisk Hacks](#)

Runcentive

Designed a multithreaded Android application using the Capital One Bank API and Google Play Services, and Retrofit, in which users can have their money transferred from their savings account to their "guilt-free" current account based on how many calories they burn.

[Won Best Use Of Capital One API at VandyHacks](#)