

Experience

Software Engineer – Bloomberg LP
c++, python

Sep 2018 → Current

- Developed several improvements to the backend services for the MARS function in the Bloomberg Terminal
- Built a new feature for the MARS function's deal upload process
- Investigated and fixed issues with the integration tests for the deal upload service

Solutions Engineer – Datadog
python, javascript

Jan 2018 → Jun 2018

- Reproduced and debugged several issues with the product's dashboard and monitoring systems affecting a large number of users
- Resolved issues for customers using the product through collaboration with engineering subteams and sales representatives
- Created a search bar in JavaScript for one of the documentation pages, enabling users to filter through the 200+ items on the page as they typed

Front End Engineering Intern – Business Insider
javascript, angularjs, php

Jun 2017 → Aug 2017

- Developed new features using AngularJS to support a new interview post type for the publication's content management system
 - Created a template using PHP for the website to display the new post type
- Designed and implemented an audio player for article pages using JQuery

Undergraduate Learning Assistant: Data Structures and Programming Techniques – Yale University

Sep 2016 → Dec 2016

- Held weekly office hours to help students with their homework assignments.
- Graded homework and exams completed by students.

Research Intern – Social Robotics Lab, Yale University
python, opencv

Jun 2016 → Aug 2016

- Improved the accuracy of the project's computer vision system by building on its object tracking algorithm using OpenCV and Python
- Implemented a system to detect the depth of objects using two webcams.

Education

Bachelor of Science, Computer Science – Yale University
javascript, java, php, c, python

Aug 2013 → May 2017

Apps & Software

Groop – <https://github.com/amalik12/groop>
reactjs, mongodb, node.js, express, redux, redis

Mar 2018

- A web based chat application built using React, Redux, MongoDB, and Node.js
- Designed and implemented a system for users to create and join chat rooms with autogenerated links
- Developed a REST API to handle account creation and authentication
- Implemented automated testing using Jest and Enzyme
- Implemented pub/sub messaging with Redis to send typing notifications to clients

Draftnet – <https://github.com/viking-sudo-rm/draftnet/tree/neural-net-additions>
django, angularjs, tensorflow, javascript, python

Jul 2017

- Worked as part of a three-person team on a web app that uses machine learning to suggest picks for Dota 2 players
- Designed and implemented the web interface for the app using AngularJS
- Implemented a network to predict win probability using TensorFlow