

Kiran Misner

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Education

Tufts University, Medford, MA

B.S Computer Science

Class of 2022

Experience

One Foot In, Boston – 7/2020 to Present

Full Stack Software Engineering Intern

- Designed & developed new features for an ed-tech startup whose goal is to create a mentorship network for high school students to reach out to alumni on advice about college applications, internships & more.
- Created new functionality where mentors could assign relevant work items to students as a way for them to make tangible progress towards their goals.
- New features were deployed and are in use at a school in Bangladesh.

Tufts University Department of Computer Science, Boston – 1/2020 to Present

Data Structures Teaching Assistant

- Held weekly office hours to help students with debugging their code and explained key concepts including but not limited to: stacks, queues, trees, heaps, graphs and hash tables.
- Graded homework assignments and gave feedback about restructuring code, more efficient algorithms and better documentation.

Cumulus Systems, Greater Bay Area – 5/2019 to 8/2019

Software Engineering Intern

- Researched HDF5 technology suite's viability as an effective storage option for data intensive problems that can otherwise not be solved in realtime
- Optimized efficient storage for large CSV files using HDF5 and the NumPy library in Python.
- Tested against files with over 500,000 data points and established that HDF5 was both cost and performance effective

Projects

Academic GPS – A Graduation Tracking Tool

The Village Method in Collaboration with Tufts Code for Good, Greater Bay Area

- Led a team of 4 engineers and 1 designer to create a web application to track students' high school graduation progress and recommend classes to fulfill requirements.
- Currently in beta testing by The Village Method

Skills

Programming Languages: C/C++, JavaScript, Python, HTML/CSS, SQL

Coursework: Data Structures, Algorithms, Cybersecurity, Web Programming, Machine Structure and Assembly Programming

Software & Tools: ReactJS, Express, NodeJS, MongoDB, Salesforce, Django REST framework, NumPy, HDF5 Suite, Matplotlib

Other: Fluency in Spanish, good interpersonal skills, always willing to learn something new