

Zhitong Zhang

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<http://zhitongzhang.github.io>

Education

Tufts University, Medford, MA

Class of 2022

Francis Lewis High School, Fresh Meadows, NY

Class of 2018

Bachelor of Science in Data Science, Computer Science, and Math

Minor: Engineering Management

GPA: 3.88/4.0

Professional/Tech Experiences

Tufts JumboCode

Medford, MA

Head Of Operations

January 2019- Present

Developer

September 2018- May 2019

- Manage and oversee day-to-day operations of 8 individual projects that develop a variety of mobile and web application for non-profit clients.
- Act as the main person of outreach for the club.
- Work in a team of both Designers and Engineers to provide a web application that displays a comprehensive map view of Bi+ organizations and events based on geographical locations, along with basic contact/sign-up guides.
- Utilize React.js and Node.js to develop a custom map-based web search for the National Bisexual Resource Center.

Tufts CS/EE Department

Medford, MA

EN1 - Computational Design TA

January 2019 - May 2019; September 2019 - December 2019 (projected)

- Held weekly office hours, where students were able to improve their problem solving, testing, and debugging skills.
- Graded homework and exams in MATLAB, all while giving feedback on how to write more effective code.
- Lead labs that consisted of concepts and implementations from the week's lecture.

Tufts Literacy Corps (TLC)

Medford, MA

Mathematics Tutor

October 2018- May 2019

- Mentor elementary school kids in Mathematics.
- Designed unique and challenging math problems for students.
- Enforce administration policies and rules governing students.

Bank Of America

Manhattan, NY

Digital Ambassador Intern

June 2018- August 2018

- Engaged, Informed, and assisted clients on how to conduct simple transactions through self-service technologies.
- Ensured clients are connected to the appropriate experts to help them achieve their financial goals; make sure service and specialized needs are met.
- Leveraged available resources and technologies (such as tablets and bank by appointment) to optimize the client experience and serve our clients with operational excellence and accuracy.
- Answered inquiries (loans, credit card, debit card, etc) in a professional and composed manner.

Projects

IBM Call for Code

Online Codeathon -July 2019

- Implemented data visualization on NASA weathering dataset to aid in the effort of creating an app that incorporates an optimal machine learning model that predicts natural disasters before they happen. (Python)
- Utilized NASA LIS (Lightning Image Sensor) API to create a probability map of "danger zones" in the San Diego area.

2048 Extravaganza

June 2019

- Generalized the popular 2048 game to NxN dimensions.
- Implemented A* search algorithm on non-random version of 2048 to suggest player on best possible move. (C++)

~~~~~ (Full list of personal projects on portfolio page linked on top) ~~~~~

### Leadership Experience

#### **FLHS JROTC (Junior Reserve Officers' Training Corps)**

Fresh Meadows , NY

*Cadet/Squad Leader*

September 2014- June 2017

*Company 1st Sergeant*

June 2017- June 2018

- Influenced over 150 cadets to become better citizens.
- Trained my company to develop necessary leadership and communication skills.
- Carried out several service learning project to give back to the community.
- Hosted a local food drive to aid homeless, received over 400 lb of canned goods.

### Technical Skillset

- ❖ Computer/Technical: C++, C, JS, Python, R, Matlab, HTML/CSS, and Git
- ❖ Web-Dev tools: Vue.js, Bootstrap, Node.js, Express.js, Feathers.js, and Firebase
- ❖ Databases: MongoDB and MySQL