

EMILY TRAN

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EDUCATION

Tufts University, School of Arts and Sciences

Medford, MA

Dean's List, Fall 2017 - Spring 2018 · *Bachelor of Science in Computer Science*, expected May 2021

Relevant Coursework: Data Structures · Machine Structure and Assembly Language Programming
Discrete Structures · Algorithms

EXPERIENCE

Teaching Assistant | *Girls Who Code Summer Immersion Program @ BlackRock*

Jun 2018 - present

- Instruct 20 high school girls in Scratch Python, Arduino, web development, and data science daily
- Supervise and mentor two-week final projects to demonstrate the design-build-test cycle for their MVPs
- Foster computational thinking and communication skills to encourage pursuit of STEM interests

Teaching Assistant | *Tufts University Department of Computer Science*

Jan 2018 - present

- Hold office hours for 200 students in Introduction to Computer Science to debug and support student projects
- Lead weekly 2-hour labs to reinforce fundamental concepts and data structure implementations from lectures
- Grade homework assignments and exams in Python and C++ with individual feedback to boost understanding

Web Developer | *The Tufts Daily*

Sep 2017 - present

- Rebuild the website with HTML and CSS utilizing a UX style guide to replace dependency on Wordpress
- Improve stability of iPhone app using Swift and Xcode to make school newspaper more accessible

PROJECTS

Map The Money | *emilytran99.github.io/mapthemoney*

Feb 2018 - May 2018

- Built map in HTML, CSS, and D3 that showed the top 10 individual and corporate donors to U.S. senators
- Cleaned and reorganized data from the Center for Responsive Politics' public campaign finance disclosure API

LEADERSHIP

Speaker/Sponsor Organizer | *Tufts Women in Tech Conference*

Jul 2018 - present

- Plan product management, cybersecurity, & POC women in tech workshops, and conduct outreach to sponsors

Secretary | *Tufts Women in Computer Science*

May 2018 - present

- Organize logistics for meetings and events, and streamline communication with the CS department

Event Coordinator | *ARROW: A Repository of Resources Offered to Women*

Aug 2016 - Jun 2017

- Cofounded annual tech conference introducing middle and high school girls to industry professionals

Program Manager | *City Smart Scholars at Exam Schools Partnership Initiative*

Jun 2016 - Aug 2017

- Oversaw free test prep program for low income students trying to take NYC high school entrance exams

EXTRACURRICULARS

Mentee | *Oath #BuiltByGirls WAVE*

Feb 2017 - present

Vice President | *Hunter College High School Asian Cultural Society*

Sep 2014 - Jun 2017

Student | *Girls Who Code Summer Immersion Program*

Jul 2015 - Aug 2015

SKILLS, ACTIVITIES, & INTERESTS

Programming: C++ | C | Python | HTML | CSS | Arduino | Java | Javascript

Technical Tools: Git | Unix | Photoshop | Valgrind

Languages: Chao Zhou | Latin | Mandarin

Activities: Chinese Students Association, Vietnamese Students Club

Interests: crossword puzzles, space exploration, the subway, cooking shows, photography, podcasts