

# Andrea Foo

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## Education

**Harvard University, Cambridge, MA**

**2018 – present**

Master of Education in Learning, Design, Innovation, and Technology

**Tufts University, Medford, MA**

**September 2018 – May 2022**

Bachelor of Science in Computer Science & Chemistry

**GPA:** 3.92

**Awards:** Dean's List (all four years), Tufts Summer Scholars Research Scholarship, Max Tishler Prize Scholarship, Margaret Durkee Angell and Henrietta Brown Durkee Scholarship Fund

## Work Experience

**Tufts Pre-College Program, Medford, MA**

**July 2022 – August 2022**

Coding101 Teaching Assistant

- Supported teaching 90 students in learning basic to advanced CS concepts in python and final project app creation
- Assisted instructor in curriculum content creation including creating exercises, problem sets, and slides for the class

**Tufts Computer Science Department, Medford, MA**

**August 2020 – May 2022**

Computer Science Teaching Assistant

- Worked with 50 students per week to clear uncertainties on lecture material to improve technical knowledge
- Enhanced coding skills and other basic concepts through C++ programming by teaching 30+ students in lab
- Conducted interactive lab sessions and office hours every week to train students effectively

**T-lab Education, Shanghai, China**

**January 2021 – May 2021**

Full Stack Software Engineer Intern

- Collaborated with other members on this startup team to design the educational content for the web app
- Employed several tools and frameworks, including Angular and NestJS to design, develop, and deploy Content management System for streamlining company's operations in managing promotion websites
- Developed promotional websites for debut of app utilizing development practices in Angular Framework

**Tufts Code for Good, Remote**

**June 2020 – August 2020**

Product Manager and Front-End Software Engineer

- Leveraged programming skills to design front-end of web apps through ReactJS, Python, JavaScript, HTML, and CSS to ensure accurate and flawless programming activities
- Collaborated with The Village Method to develop sustainable academic pipelines from elementary to college
- Planned, designed, and developed web app in compliance with UC / CSU standards to track and maintain records of graduation progress for The Village Method

**Tufts Summer Scholars, Remote**

**May 2020 – August 2020**

Tufts Summer Scholars Research Scholarship Recipient

- Received research grant for project proposal on developing cost-efficient photovoltaic cells
- Conducted remote research online through data analysis, software modeling, and computer programming
- Presented research results in a research panel to other summer scholars recipients and professors

**Tufts Center of Engineering and Education Outreach, Medford, MA**

**January 2019 – September 2020**

Student Teacher Outreach Mentorship Program Fellow

- Coordinated Science and Engineering activities for elementary school kids to promote interest in STEM fields by collaborating with fellow residents to create lesson plans
- Taught students of younger ages complex engineering and science concepts using effective communication

## Technical Proficiencies

**Programming Languages:**

C | Java | C++ | Python | HTML | CSS | Angular | Javascript | Typescript | GO

**Frameworks / Tools:**

Heroku | Git | React | NodeJS | AWS | NestJS | Jenkins