Andrea Foo

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Work Experience

In Our Own Words Harvard CLIF Project, Cambridge, MA   **November 2022 – present**
Graduate Assistant
- Interview and collect interview snapshots of students in Harvard to illuminate AAPI voices in the community
- Redesign and implement current informational website displaying AAPI history and snapshots of current students

Research Institute of Learning and Development (ResearchILD), Lexington, MA   **September 2022 – present**
Instructional Design Intern
- Design and develop teacher and student-facing educational e-learning modules on a learning management system using Articulate360, Vyond, and MurphyAI
- Assist ResearchILD president, program director, and key SMEs across the design and development team to understand user needs and build effective learning
- Conduct user testing with 1000+ teachers and analyze impact study data responses using excel and gravity forms

Tufts Computer Science Department, Medford, MA   **August 2020 – August 2022**
Computer Science Teaching Assistant
- Coached 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
- Facilitated teaching 90 students in learning basic to advanced CS concepts in python and final project app creation
- Supported instructor in curriculum content creation including creating exercises, problem sets, and slides for the class

Grab Holdings Inc., Singapore   **June 2021 – August 2021**
Backend Software Engineer Intern
- Engineered with data scientists, backend engineers, and other cross-functional teams in this IPO-listed Southeast Asian technology unicorn company to design, test, implement, and deploy new supply allocation micro-service
- Engaged in streamlining services operations and improve compatibility by transforming deprecated endpoints from one micro-service API to new API service
- Improved allocation rates for app by 15% by working on allocation micro-service project to gain optimum outcomes.

T-lab Education, Shanghai, China   **January 2021 – May 2021**
Full Stack Software Engineer Intern
- Cooperated with 3 other members on the 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 automated promotional websites for debut of app utilizing development practices in Angular Framework

Tufts Center of Engineering and Education Outreach, Medford, MA   **January 2019 – September 2020**
Student Teacher Outreach Mentorship Program Fellow
- Launched Science and Engineering activities for class of 30+ Medford elementary school kids to promote interest in STEM fields by designing and generating innovative and interesting experiments
- Taught students of younger ages complex engineering and science concepts using effective communication

Education

Harvard University, Cambridge, MA   **June 2022 –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: Summa Cum Laude, Dean's List (all four years), Tufts Summer Scholars Research Scholarship, Max Tischler Prize Scholarship, Margaret Durkee Angell and Henrietta Brown Durkee Scholarship Fund

Technical Skills

Programming Languages: C, Java, C++, Python, HTML, CSS, Angular, JavaScript, Typescript, GO, React
Frameworks/Tools: Heroku, Git, React, AWS, Jenkins, Kibana, Datadog, Jira, Articulate360, Vyond
Design Tools: Adobe Photoshop, Canva, Figma