

Tyler Calabrese

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EDUCATION

Boston University

Ph.D. in Data Science

Sep. 2025 – Present

Boston, MA

Tufts University

Bachelor of Arts in Computer Science and English

Aug. 2018 – May 2022

Medford, MA

HONORS + AWARDS

Computing Research Association

CSGrad4US Fellow

2024

\$159,000

- Mentorship and funding support to pursue a CISE doctorate program
- Funded by the National Science Foundation

WORK + LEADERSHIP EXPERIENCE

Strike Technologies

Software Developer

Jun. 2022 – Aug. 2025

New York, NY

- Led improvement efforts and day-to-day support for Bazel build tooling
- Developed real-time trading infrastructure in C++ with Apache Kafka for drop-copy, reporting, market data delivery, and risk management
- Served as sole developer and product owner of a proprietary C# GUI, planning design direction, implementation strategy, and safe rollout of new features to technical and non-technical users across the firm
- Co-managed a fleet of over 400 C++ and Python application deployments

Intern

Jun. – Aug. 2021

Tufts JumboCode, Simply Smiles

Project Manager

Aug. 2021 – May 2022

Medford, MA

- Created an iOS app and accompanying web portal for Simply Smiles' staff foster parents to track expenses
- Led team of ten Developers with varying levels of coding experience; one Tech Lead; and one Designer
- Worked with our client to flesh out the scope and design of the project and gather and incorporate feedback
- Part-time (8-20 hours per week), for course credit

Tufts University Department of Computer Science

Teaching Fellow, Data Structures

Jan. 2020 – May 2022

Medford, MA

- Managed and trained a staff of 25-30 teaching assistants
- Overhauled the grading rubrics and coding style guide for the course
- Helped strategize the course's transition to a remote, then hybrid modality during the Covid pandemic
- Led weekly lab sections to strengthen students' understanding of key concepts in a low-pressure environment

Teaching Assistant, How Systems Fail

Jan. – May 2021

Teaching Assistant, How Systems Work

Sep. – Dec. 2020

- Served as the only undergraduate teaching assistant for Fletcher School courses "How Systems Work" and "How Systems Fail"

Teaching Assistant, Data Structures

Sep. – Dec. 2019

IBM

Software Developer Intern

Jun. – Dec. 2020
Austin, TX; Remote

- Worked with IBM Cloud's Power IaaS team
- Refactoring and internationalization for Golang backend
- Accessibility and globalization bugfixes for React JS frontend