

# Anthony Tranduc

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## EDUCATION

**Tufts University** | School of Engineering | Medford, MA

Class of 2022

Bachelor of Science in Computer Science and Philosophy,

GPA: 3.85, Dean's List

Relevant Coursework: Data Structures, Algorithms, Machine Learning, Machine Structure and Assembly Language, Human-Computer Interactions, Programming Languages, OOP in GUI Development

## PROFESSIONAL EXPERIENCE

**Tufts JumboCode** | Medford, MA

*Technical Lead*

September 2020 – Present

*Software Maintainer*

May 2020 – September 2020

- Work closely with non-profit client to deploy administration side web application
- Provide client with technical support; Maintain React/Flask application; Patch bugs

*Software Developer*

September 2019 – May 2020

- Reviewed pull requests and submit approval before merging into master branch
- Developed parent dashboards, working in React and Flask; Contributed over 30,000 additions

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

*Teaching Assistant* | Algorithms Course

January 2020 – Present

- Tutor students on describing, analyzing, and utilizing algorithms during weekly office hours
- Lead weekly recitations of 30 students to review course material and reinforce learning

**Codio** | Cambridge, MA

*Content and Code Development Intern*

June 2020 – August 2020

- Developed auto-grading API for Processing programs using an abstract syntax tree
- Created API demo to showcase to potential client and secured client's interest in Codio
- Led sprint planning on weekly basis and daily scrum meetings for interns
- Created about 100 data structures and algorithms assessments in C++, Java, and Python

**Tufts Mechanical Engineering Department** | Somerville, MA

*Research and Development Assistant*

June 2019 – August 2019

- Researched interfacing devices for human factors team contracted by Integrated Defense & Security Solutions
- Developed Unity sandbox to test interfacing devices

**Harvard Catalyst** | Harvard Medical School | Boston, MA

*Software Engineering Intern* | Project: Web Portal

July 2018 – August 2018

- Developed RSpec tests for Ruby on Rails research grant application service
- Updated code in response to framework upgrade

*Software Quality Assurance Intern* | Project: Scheduler

July 2017 – August 2017

- Performed long term reconciliation between test case backlogs; Reviewed and updated 100+ tests
- Wrote and executed test cases; reported bugs found in software

## PROJECTS

**Pet Adoption Scam Detection** | GetYourPet.com

June 2020 – August 2020

- Integrated machine learning scam detection service into ASP.NET web application
- Developed ML.NET image classification model using transfer learning from TensorFlow model
- Service uses pet images and owner question responses to classify potential scammers

**South Florida Jewish Academy**

September 2019 – May 2020

- Student form submission system developed using ReactJS and Flask
- Unique links for parents to submit forms; Administration dashboard to manage data

## SKILLS

**Software/Tools:** Git, MongoDB, JIRA, VS Code

**Languages:** C++, Java, Python, Javascript, HTML, CSS

**Frameworks:** ReactJS, Flask