

Ramon Fernandes

EDUCATION

Master of Science in Software Systems Development

Tufts University

Sept. 2020 - May 2021 (Expected)

Medford, MA

Bachelor of Science, Major in Computer Science, Minor in Drama

Tufts University

GPA: 3.61

Honors: Dean's List, Kindler/Sullivan Scholar, Cum Laude

Sept. 2016 - May 2020

Medford, MA

EXPERIENCE

Computer Support Specialist

Tufts University – Student Service & Admissions Tech Team

May 2017 – Present

Medford, MA

- Provide hands-on desktop support to Academic Affairs, Career Services, Financial Services, Graduate Admissions, Student Accessibility Services, Student Affairs, Student Services, and Undergraduate Admissions
- Work on miscellaneous programming projects including a 1) C++ program to split PDFs of transcripts merged together by the first letter of last names into individual transcripts and 2) a React website for finding tutors at Tufts

Administrative Associate

Medford Band Parent Organization

June 2016 – Dec. 2019

Medford, MA

- Reviewed IRS 501(c)(3) regulations and other non-profit laws to maintain compliance
- Developed and maintained the company's website and other online accounts, including a student information system

Front-End Development Intern

Tufts University Human Interaction Lab

June 2019 – Aug. 2019

Medford, MA

- Worked on the full stack for a website built with Node.js, React, Typescript, Express, and MySQL

Undegraduate Research

Tufts University Allen Discover Center

June 2018 – May 2019

Medford, MA

- Used a neural-network-based model from reservoir computing (Echo State Network) as a model for regeneration
- Programmed a custom implementation of the Echo State Network in Python

PROJECTS

Interpreter & Type Checker

- Programmed in SML to write an interpreter and type checker for Rube, a small object-oriented programming language based on Ruby

Universal Machine

- Programmed in C to emulate a universal machine that executed machine instructions given in a file
- Made up of 8 general-purpose registers, an address space, an I/O device, and a 32-bit counter
- Recognized 14 instructions

SKILLS

Software/Tools: Linux, git, vagrant

Programming Languages & Frameworks: C/C++, Javascript, HTML, Java, Python, Laravel

Languages: Fluent in Portuguese and limited working proficiency in Spanish

LEADERSHIP

Board Member & Treasurer

Torn Ticket II, Tufts University

June 2019 – May 2020

Medford, MA

- Managed a \$20,000 budget for Tufts' student-run musical theater group

Board Member & Treasurer

3Ps, Tufts University

June 2018 – May 2020

Medford, MA

- Managed an \$8,000 budget for the play-producing organization at Tufts