Ramon Fernandes

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EDUCATION

Master of Science in Software Systems Development   Sept. 2020 – May 2021 (Expected)
Tufts University   *Medford, MA*

Bachelor of Science, Major in Computer Science, Minor in Drama   Sept. 2016 – May 2020
Tufts University   *Medford, MA*
- GPA: 3.61
- Honors: Dean's List, Kindler/Sullivan Scholar, Cum Laude

SKILLS

Software/Tools: Linux, git, vagrant
Programming Languages & Frameworks: C/C++, JavaScript, HTML, Java, Python, SML, Laravel, Meteor
Languages: Fluent in Portuguese and limited working proficiency in Spanish

PROJECTS

Interpreter & Type Checker
- Programmed in SML to write an interpreter and type checker for Rube, a small object-oriented programming language
- Rube is a smaller version of Ruby with the core elements of an object-oriented programming language

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

RELATED EXPERIENCE

Computer Support Specialist   May 2017 – Present
Tufts University – Student Services & Admissions Tech Team   *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   June 2016 – Dec. 2019
Medford Band Parent Organization   *Medford, MA*
- Review IRS 501(c)(3) regulations and other non-profit laws to maintain compliance
- Develop and maintain the company's website and other online accounts, including a student information system

Front-End Development Intern   June 2019 – Aug. 2019
Tufts University Human Interaction Lab   *Medford, MA*
- Worked on the full stack for a website built with Node.js, React, Typescript, Express, and MySQL

Undergraduate Research   June 2018 – May 2019
Tufts University Allen Discovery Center   *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

LEADERSHIP

Board Member & Treasurer   June 2019 – May 2020
Torn Ticket II, Tufts University   *Medford, MA*
- Manage a $20,000 budget for Tufts' student-run musical theater group

Board Member & Treasurer   June 2018 – May 2020
3Ps, Tufts University   *Medford, MA*
- Manage an $8,000 budget for the play-producing organization at Tufts