Leland Wu

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Education

Tufts University Boston, MA

B.S in Computer Science; Major GPA: 3.63/4.0; Cumulative GPA: 3.70/4.0 *Expected May 2020*

Relevant Coursework: Data Structures, Discrete Mathematics, Machine Structure and Assembly Language Programming, Web Programming, Cybersecurity, Algorithms

Skills

- **Languages**: Java, Python, Javascript, HTML, CSS, Rust, C++, C
- **Technologies**: Elasticsearch, Flask, Git, Google Cloud, VueJS, ExpressJS, MongoDB

Experience

Toast Inc. Boston, MA

Software Engineering Intern *May 2018 - Present*

- Improved testability and increased test coverage of core Android app authentication service by refactoring some of its original design and testing changes using Mockito and JUnit
- Designed, developed, and presented an improved solution for adding new languages as options for printer receipts on a Java web application and interfaced it with both the android app and printer hardware.
- Reimplemented indexing strategy for an internal microservice used to query device metrics from Elasticsearch.
- Streamlined app modularization process by refactoring the workflow of android device monitoring.

Symphony Ventures Boston, MA

Research Analyst Intern *July 2017 - August 2017*

- Analyzed and researched more than 30 internal projects, conducting quantitative analysis on financial metrics regarding Robotic Process Automation projects for companies in the Fortune 500.
- Traveled to UK and Poland offices for two weeks in order to conduct interviews with consultants in order to perform in-depth analysis past projects.
- Delivered findings and collateral to a major business partner

Tufts University Medford, MA

Teaching Assistant *January 2017 - Present*

- Hold weekly labs for ~300 students to reinforce concepts taught in Introduction to Computer Science(COMP11) and Data Structures(COMP15).
- Grade homework assignments and exams while providing personal feedback to students to improve their programming skills.

Projects

Chip-8 Emulator · Rust *March 2018 - May 2018*

- An implementation of an emulator for the Chip-8 virtual machine built with Rust and SDL2.

Schnapz · Javascript *March 2018 - May 2018*

- A web application that uses two third party APIs to provide a list of recipes that can be made based on food-based images that are uploaded to the application.

Speechy · Python *August 2017*

- A terminal-based program that uses Google's Speech API and one other third party API to transcribe audio files and punctuate the transcription with approximately 90% accuracy.

Arith · C *October 2017*

- A command-line based program that implements a lossy compression algorithm to decreas the size of images
- Compressing and decompressing the same image results in 97 – 99% data retention.

Extracurriculars

Tufts TURBO Medford, MA

President *September 2017 - Present*

- Plan and host annual breakdancing competition (Turbomania) for over 300 dancers from the Greater Boston Area.