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

EXPERIENCE

Toast   Boston, MA
Software Engineering Intern   *May 2018 - Present*

- Improved testability of core authentication services with Mockito and JUnit, and increased its test coverage.
- Upgraded language integration process by implementing, documenting, and presenting an improved solution for adding new languages into printer receipt configurations.
- Reimplemented indexing strategy for an internal diagnostics tool 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 - Present*

- 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.
- Graphics and keyboard implemented with 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 from 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 decrease 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.