Leland Wu

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EDUCATION

Tufts University, Medford, MA *Expected May 2020*
Bachelor of Science in Computer Science
GPA: 3.73/4.0

RELEVANT COURSES

Data Structures, Discrete Mathematics, Machine Structure & Assembly Programming, Web Programming, Cybersecurity, Algorithms

SKILLS

Programming Languages: C++, C, Python, HTML, CSS, Javascript
Technologies: Flask, Git, Google Cloud, Pandas, VueJS, ExpressJS, MongoDB

PROFESSIONAL EXPERIENCE

Toast, Inc *Cambridge MA*
Incoming Software Engineering Intern (Summer)

Symphony Ventures *Boston MA, July 2017 - Aug 2017*
Research Analyst Intern

- Used the Python library Pandas to develop an elementary data manipulation tool that extracts relevant information from datasets based on queried keywords
- 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 to conduct interviews with consultants in order to perform in-depth analysis on past projects

Tufts University Department of Computer Science *Medford MA, Jan 2017 – Present*
Teaching Assistant – Introduction to Computer Science, Data Structures

- Hold weekly labs for ~300 students to reinforce all concepts taught in the course
- Grade homework assignments and exams while providing personal feedback to students to improve their programming skills

PROJECTS

Schnapz *November 2017*

- A web application that uses two third party APIs to provide a list of recipes based on food-based images that are uploaded to the application
- Users can e-mail recipes that they like to themselves

Speechy *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 text with approximately 90% accuracy
- Saves files to a CSV along with appropriate labels including the original link, speaker in audio file, etc. Python

Arith *October 2017*

- A program written in C that compresses images by two thirds of their original size. Works by converting image pixels into quantized values and storing them into 32-bit words
- Decompresses the image by unpacking the words and converting them back into pixels
- Compressing and decompressing the same image results in 97 – 99% data retention

EXTRACURRICULAR ACTIVITIES

Tufts TURBO *September 2016 - Present*
President

- Plan and host annual competition for over 300 dancers from Boston