Leland Wu

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EDUCATION

Tufts University, Medford, MA   *Expected May 2020*
Bachelor of Science in Computer Science
GPA: 3.67

RELEVANT COURSES

Data Structures, Discrete Mathematics, Machine Structure (Fall '17), Web Programming (Fall '17)

SKILLS

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

PROFESSIONAL EXPERIENCE

Symphony Ventures   *Boston MA, July 2017 - Aug 2017*
Research Analyst Intern
- Built an elementary data analysis tool in Python that extracts relevant information from large datasets into new dataframes, resulting in more robust, structured data
- Analyzed and researched all 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
- Provided collateral for a partnership with a reputed key strategic partner

Tufts University Department of Computer Science   *Medford MA, Jan 2017 – Present*
Teaching Assistant – Introduction to Computer Science
- Hold weekly labs to consolidate all concepts taught in the course
- Grade homework assignments and exams while providing personal feedback to students to improve their programming skills

PROJECTS

Speechy   *August 2017*
- Transcribes audio to text using the Google Cloud speech recognition API. Calls an API provided personally by Ottokar Tilk (https://github.com/ottokart), that punctuates text with a pre-trained Machine Learning algorithm
- Saves files to a CSV along with appropriate labels including the original link, speaker in audio file, etc. Python

Sentiment Analysis Chatbot   *July 2017*
- Flask web app that analyzes sentiment of user input strings with the Textblob Python library. Replies with whether or not the string has a negative, neutral, or positive sentiment: http://textblob-form.herokuapp.com/

Arith   *October 2017*
- Program written in C that incorporates a lossy algorithm to compress and decompress images
- Compressing and decompressing an image results in a 1% - 3% loss in information as a result of repetitive quantization of values

EXTRACURRICULAR ACTIVITIES

Tufts TURBO (breakdance organization)