Ryan Lee

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4477 Wilshire Blvd. Apt. 108, Los Angeles, CA 90010

I'm an **aspiring software engineer** currently attending UC Irvine as a senior undergraduate. I've become interested in software engineering through computational linguistics research at UCI's Department of Language Science.

Relevant Experience

Research Assistant
UC Irvine, Department of Language Science

Irvine, California
March 2020 – Present

- Used machine learning techniques to quantify complexity in natural languages with Prof. Richard Futrell
- Created language models in Python to find entropies of word sequences using n-gram models
- Wrote Python scripts to generate multi-language corpora using a web-scraper
- Developed a web-interface for an online experiment using JavaScript, HTML, and CSS

Research Assistant
UC Irvine, Department of Language Science

Santa Monica, California
Sep 2018 – Jun 2019

- Taught club members basics in Python, bash, and git
- Planned trips to programming seminars and hackathons

Projects

Word Order Information
https://github.com/savoy1211/wordinfo_experiment

- This project uses n-gram models to calculate the word order entropy of languages such as English, Dutch, Turkish, Mandarin, and Polish.
- Trigram models were created using Python
- Project Gutenberg was scraped using Python scripts

Jazz Solo Ratings
https://www.jazzsoloratings.com/

- A web app created with MongoDB, Express.js, React, and Node.js
- Implements user authentication using Firebase
- Allows users to create reviews of jazz solos

Education

University of California, Irvine
BACHELORS IN LANGUAGE SCIENCE, GPA: 3.97

Irvine, California
Aug 2019 – Present

- *Deans Honors List*: Fall 2019-Present
- *Relevant Courses:* Linguistic Data Science, Linear Algebra, Multivariable Calculus

Santa Monica College
GPA: 3.50

Santa Monica, California
Aug 2017 – June 2019

- *Deans Honors List*
- *Relevant Courses:* Algorithms & Data Structures, Introduction to C++, Introduction to Statistics

Skills

Python
JavaScript
MERN Stack
SQL
Bash
Git