Steven Liu
UC San Diego
Data Science

San Francisco Address:
121 Brookdale Avenue
San Francisco, CA 94134

San Diego Address:
4875 Cole Street, Unit #59
La Jolla, CA 92117

Portfolio:
https://sdevinl.github.io/

Contact:
sbliu@ucsd.edu
(415)671-5701

Skills

- ➢ Web Development in CSS, HTML, JavaScript and React
- ➢ Data Analysis and Data Frames in SQL, R, and Python
- ➢ Advanced Data Structures and Algorithms in C++, Python, and Java
- ➢ Principles and Theories of Data Science,
- ➢ Web scraping, Data Granularity, Permutation Tests, Imputation
- ➢ Data Visualization, Wrangling, Analysis
- ➢ Statistical analysis, Predictive Modeling, Machine Learning Models, Neural Networks
- ➢ Python Packages: BeauitfulSoup, Scikit, Sklearn, Seaborn, Matplotlib, NumPy, Regex, Pandas, PyTorch

Education

University of California, San Diego / Data Science B.S.
2018-2021, La Jolla (Attending)

Extracurricular

UC San Diego Triton³ Electronics/Software Team:
Custom PCB design using Altium Designer 19, the industry's choice on PCB design software. Coding on the PIC24 architecture using MPLAB.

Projects

Sudoku Puzzle: (C++)

Allows the player to select from 4 difficulties, records the scores from each playthrough, calculates and shows the player some statistics once the puzzle is solved.

Yelp Restaurant Maps: (Python)

Gives a map of restaurants that contains where the restaurant is located and the reviews, containing a variety of data.

Ants vs Bees: (Python)

Inspired by the game 'Plants vs Zombies'. Allows you to create your own ants.

Huffman Tree Codec: (Java)

Converts ASCII characters into bits, and bits into ASCII characters through a Huffman Tree.

Spell Checker: (Java)

Checks the input if it matches or resembles any word in the dictionary.

CRISPR: (Java)

Alter DNA sequences and modify gene functions.

Machine Learning Models: (Python)

Can be found on github and my portfolio website.

Global Dashboard: (JavaScript)

Map chart that shows some statistics and plots of each country when clicked.

ESP32 Device Analysis: (Python, SQL, JavaScript, C)

Fully implemented from scratch. Used ESP32 Device to detect temperature and humidity and performed some analysis to make some types of conclusions about the data.