
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
- Python Packages: BeautifulSoup, Scikit, Seaborn, Matplotlib, NumPy, Regex and Pandas

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.

Work Experience

Jamba Juice *Barista*

2014 - 2015, San Francisco

Macy's *Sales Associate*

2015 - 2016, San Francisco

K-Element BBQ *Busser/Server/Host*

2018 - Present, San Francisco