

MAX GINSBERG

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EDUCATION

University of Southern California, *Los Angeles, CA*

Expected Dec 2022

B.S. Biomedical (Electrical) Engineering, Minor Entrepreneurship

GPA: 3.6

EXPERIENCE

Accenture, Technology Analyst – Los Angeles, CA

Jun – Aug 2022

- Enriched legacy data during a 4-to-1 product lifecycle management system data migration using SQL and Python.
- Analyzed revision data to standardize data migration mappings and ensure consistency in new client systems.
- Pioneered a solution to curb carbon emissions from food waste through pro-bono work for 501c3 FoodCycleLA.

Inked Sports, Software Engineer – Los Angeles, CA

Aug 2022 – Present

- Structured and implemented an AWS RDS SQL database connected to an external API.
- Pipelined and filtered data through multiple tables and views to distill relevant information to clients quickly.
- Implemented a series of Python scripts to manage SQL queries and process data more efficiently.

Edwards Lifesciences, Data Science and Algorithms Intern – Irvine, CA

May – Aug 2021

- Developed a modular, user-friendly data cleaning and dashboard visualization tool to view live data in any ongoing or finished data collection trial using Python, Plotly Dash, and HTML.
- Discovered new features and revealed biases in current algorithm development by applying machine learning (univariate logistic regression) onto dashboard and extracting best collected features for disease classification.

USC Makers, Director of Events – Los Angeles, CA

Aug 2019 – May 2022

- Led the premier embedded systems IoT club to increase budget by 3x, engagement by 3x, and project scope by 2x
- Awarded \$8k from Qualcomm and Microsoft after Spring Showcase 2021, our club's first corporate sponsors.
- Formed and led a committee of 5 members to ensure consistent quality and quantity of events.

AWARDS & PROJECTS

lafoodlist.com

Apr 2022 - Present

- Designed and coded a website to display 200+ handpicked restaurant locations, reviews, photos+ in ReactJS.
- Created dynamic Google maps, photo lists, and page animations all subject to user input and personal preference.

RxMinder, Team Lead

Jan - Apr 2022

- Built an IoT automatic pill dispenser with a frontend interface for elderly patients using NodeJS, React, Arduino.
- Acquired patient's medication schedule to correctly dispense pills at the correct time, notify patients + caregivers when it was time to take medication, and monitor patient's daily progress in an easy to use front end web page.
- Led team direction and taught CAD, web development, Arduino to teammates.

Wordle Bot(s)

Feb - Apr 2022

- Developed a SlackBot server to keep track of my friends' and my wordle scores and display a leaderboard.
- Used NodeJS and Firebase to host a server, perform calculations, and keep track of everyone's scores day by day with their copied wordle messages.
- Constructed a second algorithm with Python to solve Wordle and post its score daily. AvgScore = 3.669

Compost-O-Matic, Software Team Lead

Jan - Apr 2022

- Engineered an IoT compost monitoring system to ensure healthy compost for sustainable home gardening.
- Developed a backend server with NodeJS which communicated with the Arduino and front end, performed calculations, and estimated future compost metrics using machine learning.
- Aligned the embedded, backend, and frontend teams to the same vision and ensured cohesive development.

SKILLS

- Python, React, JavaScript, SQL, NodeJS, C++ , IoT, MATLAB, Verilog, Java, Entrepreneurship
- Bilingual: English (native), Spanish (professional) — Know the best taco stands and ramen spots in Los Angeles