MAX GINSBERG

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EDUCATION

University of Southern California, *Los Angeles, CA*	**Dec 2022**
B.S. Biomedical (Electrical) Engineering, Minor Entrepreneurship	**GPA: 3.6**

EXPERIENCE

Accenture, Software Engineer – Seattle, WA   **Jun 2022 – Present**
- Enriched legacy data during a 4-to-1 product lifecycle management system data migration using SQL and Python.
- Automated Excel processes using Python to identify issues in large-scale inventory value reporting.
- Created a hierarchical security apparatus to delegate spatial security clearances across a new SAP data system.

Inked Sports, Software Engineer – Los Angeles, CA   **Aug – Dec 2022**
- 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.

AWARDS & PROJECTS

lafoodlist.com   **Apr 2022 – Nov 2022**
- 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.

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.

CERTIFICATIONS & SKILLS

- *Microsoft Azure Fundamentals* – Credential ID: 995242707. Issued May 2023.
- 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