Jeremiah O'Connor

📞 (914) 216-9704 | ✉ jeremiah.oconnor1@gmail.com | 🔗 linkedin.com/in/jeremiah-oconnor/ | 🐙 github.com/jerry-oconnor

EDUCATION

University of California, Davis — Fall 2022 - Spring 2024
Bachelor's Degree, Computer Science & Data Science
- Pursuing a double major in Computer Science and Data Science

Diablo Valley College — Fall 2020 - Spring 2022
Transfer, Computer Science & Mathematics
- Maintained a 4.0 GPA Across CS & Math Courses
- Academic Honors for All Semesters at DVC

SKILLS

Programming Languages: Python, C/C++, JavaScript, HTML/CSS, Jinja2, C#, MATLAB, LaTeX
Frameworks: React, React Native, JupyterLab, Node.js, Flask, BootstrapCSS
Developer Tools/ Platforms: Git, AWS (S3, EC2, Sagemaker, Ground Truth), Visual Studio Code, Heroku

EXPERIENCE

Software Engineer Intern (Full Stack / ML) — January 2022 – Present
IpserLab — *Palo Alto, California, United States*
- Owned, Designed, and Delivered a mobile frontend using React Native
- Implemented an Object Detection ML Model using AWS Sagemaker and deployed as an endpoint on AWS Backend
- Worked on the ML development process end-to-end, from data cleansing and training to validation and testing
- Technologies Used: React Native, TensorFlow, TensorFlow Lite
- Languages: Python, JavaScript

Programming & Computer Science Tutor — June 2021 – Present
The Coder School - San Ramon — *San Ramon, California, United States*
- Provide lessons and support to students in Python, JavaScript, Lua, C#, game design, and computer science concepts.
- Collect and analyze data on lessons to improve student learning outcomes

PROJECTS

🔗 **VLRBot** (Discord Bot) | *JavaScript (Node.js, Discord.js)* — 2021
- Discord bot that utilizes the VLRGG API to post match scores, news stories, and upcoming events.
- Utilizes node.js, as well as Axios and Discord Javascript libraries, along with VLRGG Api and asynchronous API calls, and modular export-based command execution
- Commands are executed via JavaScript event listener functions

🔗 **HotCrypto** (Web App) | *Python (Flask, PRAW, Bootstrap CSS)* — 2021
- Python Web App that scrapes, cleans, and processes mention data from r/cryptocurrency
- Utilizes PRAW (Python Reddit API Wrapper) to scrape data, applies data cleansing and processing methods to compute frequency of each currency's mentions in posts/comments
- Utilizes Flask, in combination with HTML and BootstrapCSS to create a web app that displays this data in a clear and meaningful way

COURSEWORK

- Data Structures/Algorithms, Program Design, Advanced Programming, Object-Oriented Programming, Computer Architecture
- Linear Algebra, Discrete Math, Statistics, Differential Equations, Calculus I-III, Engineering Physics

AWARDS

Academic Honors/Dean's List (Term GPA > 3.5 for Fall 2020, Spring 2021, Fall 2021) | *Diablo Valley College* — 2020-2021