Adam Hammond

abhammond22@gmail.com ❖ 707-328-8977 ❖ LinkedIn Profile ❖ GitHub Profile ❖ Personal Website

Education

Computer Science B.S. 2020-2023 (Expected)

University of California, Santa Cruz GPA: 3.75

Honors: 5x Dean's Honors Spring 2021-2022, Winter 2021-2023

Relevant Coursework: Fundamentals of Compiler Design, Software Engineering, Natural Language Processing, Applied Machine Learning, Full Stack Web Dev, Principles of Computer System Design, Computer Networks, Algorithm Analysis

Work Experience

Red Tide Games, junior programmer May 2021- Sept 2022

- Worked Remotely with 2 other programmers on a cohesive video game.
- Used Perforce for source control and contributed with C++ and Unreal Engine 5.
- Located in Santa Rosa, CA.

Projects

iCook Cookbook Application | Javascript, React Native, Node.js SQLite, Expo, Scrum | Link
- Worked in an agile team of 6 UCSC students, strictly adhering to the Scrum methodology.
- The project contains our relevant Scrum documents: Release Planning, Sprint planning, Scrum board, burnup chart, and more.
- React Native application running on Android & iOS using SQLite for local storage.

Personal Website | Javascript, React.js, Node.js RWD| Link
- Built in React.js, hosted on Github Pages with a custom domain name, managed with Node.
- Made use of Responsive Web Design, allowing the website to nicely fit into any device.

Machine Learning sleep classifier application | Python, Sklearn, Pandas | Link
- Built a RNN machine learning model and packaged it with a simple Python GUI
- Built in Python, with support from libraries like Pandas, SkLearn, Tkinter, and more.
- Worked closely with Neuroscience researchers to understand their needs and pitch a relevant application trained by their data.
- Classifies long periods of mouse EEG and EMG data to assist UCSC Neuroscience researchers in processing data.

Multithreaded HTTP Server | C, POSIX Threads | Link
- Utilizes modules like a threadsafe bounded buffer, as well as pthreads functions to create a functioning server that services HTTP 1.1 GET and PUT requests.

Technical Skills

Concepts: Machine Learning, Data Structures, Algorithm Analysis, Full Stack Web Development.
Languages: C, C++, Python, JavaScript, SQL,
Technologies / Data Management: PostgreSQL, SQLite, Docker, Expo, Unreal Engine
Frameworks / Libraries: React.js, React Native, Node.js, Express.js, RESTful APIs, Pandas, Sklearn
VersionControl / Automation: Git, Github, Perforce, Windows Batch & Bash Scripting, Make
Markup / Formatting: HTML, CSS, LaTeX, Markdown