Cavan Stewart

(916) 705 - 2366 | cavanwstewart@gmail.com | Portfolio: https://cavanstewart.github.io
Linkedin: https://www.linkedin.com/in/cavan-stewart-110aa5132 | GitHub: https://github.com/cavanstewart

EDUCATION

University of California Los Angeles
Bachelor of Science, *Mathematics of Computation*   **Graduated June 2019**
-Relevant Coursework: Object Oriented Programming, Operating Systems, Networking Fundamentals, Databases, Programming Languages, Algorithms, Machine Learning

San Diego Code School
Full Stack Developer Certificate   **Graduated December 2019**
-Relevant Coursework: Web Applications, Front End Javascript, Back End Javascript, Dev Ops, Testing

TECHNICAL SKILLS

- Programming Languages: Python, C, C++, HTML/CSS, Kotlin, SQL, Javascript
- Frameworks: React.js, Node.js, Express.js, Flask
- Databases: Postgres, MongoDB, MySQL
- Tools/Applications: Linux Shell, Git, CircleCi, Heroku, Android Studio, Unity3D, Blender, Photoshop

PERSONAL PROJECTS

BeatSync
- A Kotlin android application that plays songs based on the user's heart rate
- I used Spotify's app remote api to control the songs played
- I wrote a python script to collect the heartbeat data from a sensor on a BeagleBone and transmit it to the phone via RFCOMM Bluetooth

WorkoutTracker
- A web application that a user can use to track their workouts
- User authentication done with Json Web Tokens
- Built with React.js, Node.js, Express.js, and MongoDB

TuneSearch
- A web application search engine for looking up songs based on the lyrics
- Written in Python Flask to create different routes
- Database Querying uses SQL on a Postgres Database

WORK EXPERIENCE

UCLA Computer Support Technician   **November 2017 - June 2019**
- Provided end-user support for UCLA full-time staff
- Managed Microsoft Exchange mailbox and roaming profile databases for student residents
- Developed scripts that automated user profile migration

UCLA Lemur Robotics Lab Research Assistant   **October 2018 - February 2019**
- Researched self-driving vehicles
- Created a simulation in Unity3D for accelerating reinforcement learning