Clyde Baron Rapiñan

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Education
University of California San Diego, Electrical Engineering B.S.   Expected Jun 2022

Technical Skills

Coding Languages
Python · HTML5 · C/C++ · CSS · Java · JavaScript

Programs & Interfaces
MATLAB · Git Bash · Autodesk Inventor · Eagle CAD · CLion · VS Code · Materialize CSS · AutoCAD · MS PowerPoint · OshPark · Verilog · Bootstrap CSS · SolidWorks · MS Excel · Arduino

Soft Skills

Fabrication & assembly · Soldering · Product design · Inventory Management · Event Planning · Fast Prototyping · Project Management · Leadership · Training & teaching · Problem-solving

Project Experience

California COVID 19 Danger Data   github.com/clydebaron2000/Covid-Danger-Data   Jul - Aug 2020
- Coded a website that displays **SARS COVID-19** infection rate data by county as well as state fire data to help users determine safer counties to evacuate to during the pandemic
- Utilized Google Maps API to display and color code the map by infection rate severity
- Worked a team of three developers to research government sources and display the data in an easy to understand desktop website layout

Simple Game AI   May - Jul 2019
- Translated 'Flappy Bird' Python code to a more object-oriented script to cater to AI
- Implemented a **NEAT artificial intelligence** to learn to play 'Flappy Bird'

Line Following Robot   Nov - Dec 2018
- Achieved '**Most Accurately Following Robot**', Top 5 overall
- Lead four team members of higher expertise to execute our agreed design
- Assembled and programmed a robot using a 3D printed chassis and Arduino system

3D Printed Speaker   Oct - Nov 2018
- Final product ran on a 5v battery, connected via Bluetooth and AUX cord
- Designed, soldered, and assembled speaker with 3D printed case
- Used OSH park for custom circuit board fabrication

3D Printed brushless DC Motor   cbrapinan.wixsite.com/bedinimotorproject   Feb - May 2017
- 5v motor/generator featured in **CCTE Engineering Showcase 2017**
- Designed, fabricated, and assembled rotor, case and circuitry
- Researched over 50 websites to learn motor fundamentals and industry designs

Work Experience

Customer Service Representative   Domino's   Jul 2018 - Present
- Consistently satisfied customers with product preparation times, cashier, phone operator, driver management during normal and peak hours
- Consistent cleaning above and beyond duties which resulted in higher marks for the store
- Part of the team that trains new CSRs to reduce time for product output

Volunteer Experience

Saddleback Teardown Leader   Saddleback San Diego   Jul 2019 - Present
- Consistently manages restocking of inventory to ensure church property is maintained
- Connects with church volunteers consistently through virtual platforms throughout COVID
- Assists other leaders with organizing events and management of church events