Rodrigo Bondoc

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Education

San Diego State University   **August 2014 - May 2019**
Bachelor's of Science in Electrical Engineering (BSEE) with Distinction   San Diego, CA
Minor in Computer Science
- **Cumulative GPA**: 3.42
- **Dean's List**: Fall 2017, Spring 2018, Fall 2018, Spring 2019
- **Organizations:** SDSU Mechatronics, Alpha Kappa Psi

Skills

Programming Languages: Python, C/C++, HTML, (S)CSS, JavaScript
Libraries & Frameworks: Selenium, Django, Bootstrap, React
Operating Systems: Windows, Linux
Tools & Databases: Git/Github, VS Code, PostgreSQL, pgAdmin

Projects

Game Randomizer - Independent Project   **November 2020 - Present**
GitHub: rbondoc96/DBD-Game-Randomizer
- Creating an API and a Websocket interface using Django to generate real-time player sessions with up to 5 players
- Building and implementing the front-end of the application using SCSS, React, and Webpack

Parking Buddy - Senior Capstone Project   **September 2018 - May 2019**
GitHub: rbondoc96/EE-Senior-Design
- Implemented a real-time IoT solution using LoRa which connected camera modules mounted in parking structures
- Developed an algorithm using Python and OpenCV which achieved up to 90% accuracy in detecting vehicles

Professional Experience

Compliance Specialist   **December 2019 - Present**
Aya Healthcare   San Diego, CA
- Reduced the time taken to generate paperwork by at least 30% by automating PDF data entry using JavaScript
- Simultaneously trained 5 remote hires to understand changing regulations and processes due to COVID-19 when ordering medical services for travelers and ensure they meet compliance requirements
- Updated and created training guides on using various websites and applications and on auditing health documents

Embedded Engineer   **July 2019 - August 2019**
Raveon Technologies   Vista, CA
- Debugged and examined radio modems using lab equipment such as power supplies, DMMs, and oscilloscopes
- Analyzed and verified that a telemetry gateway written in C++ could properly receive and route data after it was ported over to a cheaper Linux machine
- Gathered multiple versions of technical documentation, source code, and database backups and updated their contents to reflect the most recent changes to the gateway application

Teacher's Assistant   **August 2015 - December 2016**
San Diego State University - Computer Science Department   San Diego, CA
- Authored a comprehensive reference guide for an introductory Java course that is still used today
- Assisted and mentored students individually and in groups during lecture time and in the computer lab
- Worked under the professor's direction and reviewed students' programming assignments to identify areas of struggle