

# Rodrigo Bondoc

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## Professional Experience

### Software Quality Assurance Analyst

**Jan. 2021 - Present**

LabCorp Drug Development

San Diego, CA

- Identifying bugs and defects in applications and documenting them in the Jira bug tracking system
- Developing a library of test scripts in JavaScript using the Cypress framework to automate manual testing
- Performing smoke, regression, end-to-end, and validation testing on clinical hybrid applications using Chrome DevTools, Android Studio, and Xcode

### Compliance Specialist

**Dec. 2019 - Dec. 2020**

Aya Healthcare

San Diego, CA

- Audited and interpreted lab results and clinical documents for accuracy and took action to correct any errors
- Trained employees remotely in groups to understand compliance requirements for traveling clinicians from client hospitals, OSHA, and COVID-19
- Increased overall quality and efficiency in generating medical documents by at least 30% by incorporating JavaScript into PDFs

### Design Engineer

**Jul. 2019 - Aug. 2019**

Raveon Technologies

Vista, CA

- Analyzed an RS-232 radio gateway and web server written in C/C++ for a Linux system
- Tested RF devices using electrical lab equipment such as power supplies, DMMs, and oscilloscopes
- Debugged and performed verification testing on the gateway to ensure proper functionality after a device port

## Education

### San Diego State University

**Aug. 2014 - May 2019**

B.S. in Electrical Engineering, Minor in Computer Science

San Diego, CA

- Cumulative GPA: 3.42
- Dean's List recipient in Fall 2017, Spring 2018, Fall 2018, Spring 2019
- Received Distinction in the Major for achieving an upper division major GPA greater than 3.5

## Projects

### Sudoku Game

Play It Here: <https://rbondoc.com/sudoku>

- Built a responsive web interface using CSS, React, TypeScript, and Webpack
- Implemented a Sudoku generator algorithm that creates solvable Sudoku grids with a given number of clues
- Designed a focusing feature that highlights groups of cells that are affected by the cell being changed

### IoT Parking Monitor

Github: <https://github.com/rbondoc96/EE-Senior-Design>

- Implemented an IoT solution to monitor parking availability inside parking structures using LoRa devices, Raspberry Pis, and cameras
- Developed a vehicle detection algorithm using Python and OpenCV that achieved up to 90% accuracy
- Presented vehicle congestion data to users in real-time through a native Android application

## Skills & Interests

**Programming Languages:** HTML, (S)CSS, JavaScript (ES6, Node.js), TypeScript, Python

**Libraries & Frameworks:** React, Express.js, Cypress, Django

**Tools & Environments:** Agile/Scrum, Git, Webpack, PostgreSQL, Chrome DevTools, Android Studio

**Interests & Hobbies:** Team sports, video games, travel, yoga