

PROFESSIONAL EXPERIENCE

Crestron Electronics - Rockleigh NJ

Web Application Test Developer

June 2016-Present

- Developed the Javascript test suite in NodeJs for the new line of web application Crestron products
 - Simulate HTTP web requests using a NodeJs web server and the standard request/response protocol
- Assisted in the design, modeling, and verification of user-friendly web pages with Javascript, Html, and Css
 - Work with UI team to ensure webpage designs meet requirements and are easy to understand
 - Manually inspect the Javascript, Html, and Css of the web applications and verify functionality
 - Created a RESTful API to handle commands between devices and applications
- Designed automated test system reports in Html and Css
- Responsible for managing all future web-based Crestron testing

Firmware Engineer

June 2014-Present

- Work as a member of the Firmware Verification Engineering team, handling VE automated testing for all Digital Media Crestron products
 - Manage the VE process for Multi-Format Switches and Blade-Based Switches. Total of 16 products
 - Creating and executing test plans to adequately verify features across a range of Digital Media products, complying with release dates and product requirement specifications
 - Debug firmware issues, and work with development teams to investigate, report, and verify bugs

PROJECT EXPERIENCE

Pitch Online Playing Card Game

- Designed real time multiplayer card game primarily using JavaScript, jQuery,, HTML, and CSS.
- Integrated many Javascript frameworks for a modern, responsive, and up-to-date mobile friendly front end.
- Implemented Node, Express, and Socket.io on the back end, using websockets for a simplistic and smooth multiplayer engine, efficiently handling many games at once.

Fantasy Football Draft Kit

- A React-Flux, RESTful application giving users a toolkit for their fantasy football drafts, such as player comparisons, multiple website rankings, depth charts, and player statistics
- Designed with modern frameworks React.js and Material.ui on the front end
- Node, Express, MySQL, and Amazon Web Services on the back end

Solar Energy Generation DashBoard - Sr. Design - Team Leader

- Designed and implemented a touch screen dashboard displaying relevant solar information from the engineering building's Solar Panel Array on the roof.

TOOLS/ TECHNOLOGIES

- Node, React, Express, Socket.io, Npm
- Javascript (ES6), Html, Css, jQuery
- MVC/MVVM, Git, Tortoise Svn, MySQL, PHP
- PowerShell, C#, .NET classes, VisualBasic
- Bootstrap, Material-UI, Flexbox, Interact
- Amazon Web Services EC2, Amazon RDS

EDUCATION

Binghamton University - Computer Engineering B.S.
Udacity - Front End Web Developer NanoDegree

May 2015
June 2016