Matthew Yang

System Test Engineer II

LinkedIn www.linkedin.com/in/yangMatthew85/

Contact

4935 E 109th Ct, Thornton CO

720-385-6340

yangmatthew@gmail.com

https//github.com/myang5t3r

Education

University of Colorado Boulder:

- Bachelor of Science Mechanical Engineering

University of Denver:

- Full Stack Web Development Certification

Skills

- JSX
- CSS
- HTML
- REST
- JSON
- React
- Linux
- GitLab
- Firebase
- MySQL
- GraphQL
- Python
- Node.js
- Agile/Scrum
- JavaScript/TypeScript

Executive Summary

Highly motivated Engineer with 17 years of experience at the Hunter Douglas Corporation. Expert knowledge of mechanical systems, software systems, and motorization. Innovated problem solving ability in electro-mechanical components and advanced mathematics. Sophisticated proficiency in communication, documentation, and analysis. Passionate and competent in scripting languages, IOT technology, and the digital transformation of the workforce.

Experience

Systems Test Engineer II

Hunter Douglas Window Fashions Inc. Apr 2022 – Current

- Full stack developer and maintainer of Automation testing for PowerView Motorization
- Optimization of web application dashboard built with React
- Unit testing with Jest and node.js for Bluetooth protocol
- Executed in the qualification of motor/gateway firmware
- Orchestrated validation and testing for a successful launch of the rechargeable battery program
- Quantify and compute data from testing to drive engineering decisions

Embedded Systems Test Engineer

Hunter Douglas Window Fashions Inc. Mar 2018 – Apr 2022

- Scripting automation tests with Python/JavaScript/TypeScript
- Regression testing of motor firmware and iOS/Android applications
- Initiated certification of Apple HomeKit using HAT platform
- Maximized engineering analysis of DC motors, pcbs, and electrical components
- Optimized test equipment to analyze current profiles and compute battery life estimates