Suhas Jagannath

Front End Developer · Software Engineer · Embedded Systems Designer

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Skills

Languages	Javascript - HTML5 - CSS3 - C++/C - Python
Libraries	React Router - Redux - Framer Motion - Styled Components - React Testing Library
Tools	Git - Linux - Figma - PSpice

Education

University of California, Riverside   *Graduated March 2021*
B.S. In Computer Engineering

- **GPA:** 3.4
- **Relevant Courses:** Data Structures & Algorithms, Embedded & Realtime Systems, Operating Systems, Computer Networking, Computer Security, Database Management Systems, VLSI Design

Experience

Lantronix   *Jun. 2018 - Sept. 2018*
Junior Software Engineer

- Deployed Bluetooth connected software written in C, used by over 700 clients to accelerate development processes when working with the xPico 200 IoT Gateway
- Developed and designed an onboarding system for new engineers to get accustomed to company tools and resources
- Corresponded with documentation writers to implement maintainable support information for the shipped code

UCR Embedded Systems Laboratory   *Dec. 2018 - March 2021*
Research Assistant

- Led a team to modernize and retrofit chemical syringe pumps to allow for remote access and automation of essential Bioengineering lab technology using Raspberry Pi, serial communication, and Python
- Publicized this research project at the university's Undergraduate Research Symposium
- Built the foundation of an algorithmic solution to guarantee the safe storage and disposal of chemicals

Projects

Yum   🐙 ↗

- Yum provides users with easy to browse recipes that can be saved with a simple and responsive design
- A full stack application that uses the MERN stack with full user authentication, guest accounts, and database control
- Unit and Integration testing done using React Testing Library

  React - Styled Components - Framer Motion - Recharts - Node - Express - MongoDB - React Testing Library

The Covid Tracker   🐙 ↗

- A simple way to view COVID-19 data updating daily in a clean and easy to understand UI
- Created in 12 hours during CutieHack's 2020 Hackathon, winning the best UI/UX Award

  HTML - CSS - React - Chart.js - COVID Tracking API

Covid Puzzle Cube   🐙 ↗

- An embedded system puzzle box that educated users on COVID-19 precautions in a fun and interactive way
- Led a team of 5 students to develop project requirement specification including project management strategies such as Kanban and Gantt Charts
- Constructed a related mobile app and prototype puzzle cube within only 2 weeks

  Raspberry Pi - Arduino - Python - C++ - Bluetooth

Extracurricular

Materials Research Society   *Jun. 2018 - Jun. 2020*
Vice President

- Refocused the club to reach out to all engineering majors, leading to a growth from 30 members to over 200 members
- Managed a team of 10 board members to plan a multidisciplinary hackathon, focusing on design and hands on engineering principles
- Acquired funding and corresponded with companies to support and attend events