Suhas Jagannath

FRONT END DEVELOPER · SOFTWARE ENGINEER · EMBEDDED SYSTEMS DESIGNER

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Skills

Languages	Javascript - HTML5 - CSS3 - C++/C - Python
Platforms	React - Arduino - Raspberry Pi
Tools	Git - Linux - Figma - PSpice

Education

University of California, Riverside   *Graduating 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 - Present*

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

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

Air Quality Visualizer   ⓞ 🔗

- A web app designed to show how the wildfires in the area are affecting the air quality in a simple to read display
- Utilizes up to date information on air quality for a majority of California and the surrounding states
- Includes Google Maps API location autocomplete to let the user find addresses easily
  HTML - CSS - React - Air Now API

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