

## SUHAS JAGANNATH

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### SKILLS & ABILITIES

**Languages:** Java, Javascript, CSS3, HTML5, SQL, C++, C, Python, Swift

**Embedded:** Arduino, Verilog

**Software:** Android Studio, Pspice, Linux, Git

### WORK EXPERIENCE

#### **SOFTWARE ENGINEERING INTERN – LANTRONIX**

(JUNE 2018 – SEPT 2018)

Developed both Bluetooth Classic and Bluetooth Low Energy demo programs in C for the xPico 200 embedded Wi-Fi IoT Gateway. Worked directly with senior engineers and documentation writing staff to push the product into production

### RESEARCH

#### **RESEARCH ASSISTANT – UCR EE/CS LABORATORY**

(DEC 2018 – Present)

Working on Flowdrive, a project in order to retrofit chemical syringe pumps using raspberry pi, serial communication and Python to allow for modernization, remote access, and automation of pumps.

### PROJECTS

#### **ALLERGY ALERT - BIOHACK 2019 (MAY 2019)**

Competed in a 12-hour hackathon to create a webapp to help people find out if the food they are eating is safe for consumption. Created using Python, Flask, HTML, and Bootstrap.

#### **SPOTIFY CONTROLLER - CITRUS HACK 2019 (APR 2019)**

Used Python and Flask in order to access the Spotify API and pull songs from the database during a 36-hour hackathon. Also finds related artists to the selected artist, as well as displays an audio visualizer, creating using Fast Fourier Transforms.

#### **ARDUINO LCD GAME - CUTIE HACK IV (NOV 2017)**

Won Organizer choice award

Collaborated with another student to design, build, and program a LCD based game in under 12 hrs wherein a button push caused a character to dodge oncoming blocks that are randomly generated

### EDUCATION

#### **UNIVERSITY OF CALIFORNIA, RIVERSIDE**

B.S. COMPUTER ENGINEER (EXPECTED GRADUATION: 2021)

GPA: 3.3

#### **NORTHWOOD HIGH SCHOOL, IRVINE, CA**

AP Courses (all 4s): Computer Science, Physics, Environmental Science, World History, Government and Art History

### LEADERSHIP

#### **VICE PRESIDENT, MATERIALS RESEARCH SOCIETY**

MRS specializes in bringing a sense of community and academia together for the Undergrads in Bourns College of Engineering. Managed the organization and ensured that the club meeting run smoothly. Run biweekly club meetings and board meetings to get information from other board members and promote engineering at UCR.

#### **VICE PRESIDENT, NAMASTE NORTHWOOD**

High school club with the purpose to spread awareness of Indian culture throughout the campus and hold vibrant events during the year, such as Holi and movie nights. Led the organization of 60 volunteers to present Irvine Indian Culture Show with four high schools to spread awareness of Indian culture.