Suvir Bajaj

Los Altos, CA 94022 | (650) 485-0443 | suvirbajaj@icloud.com

OBJECTIVE

Inquisitive computer science engineering student seeking a summer 2022 software engineering internship

EDUCATION

University of California, Irvine   **Expected Graduation: May 2024**

- Relevant Coursework: Programming in C/C++, Python Programming Libraries, Intro to Databases, Statistics for Computer Science, Intro to Digital Systems, Multivariable Calculus

Foothill College   **Jun – Aug 2020, Jun – Aug 2021**

- Coursework: Object Oriented Programming in Python, JavaScript for Programmers, Principles of Macroeconomics

Los Altos High School (UW GPA: 3.96 | W GPA: 4.4)   **Graduation: June 2021**

- Coursework: AP Computer Science, AP Physics C Mechanics/Electricity and Magnetism, AP Calculus BC, AP Statistics, AP Microeconomics, AP Spanish, Introduction to Engineering & Design

PROJECTS

PurpleAir Air Quality Monitoring Project   **October 2021**

- Developed a Python program to return the readings of nearby air quality sensors given a location search query and search radius; utilized Nominatim and PurpleAir APIs;

Columns Game   **December 2021**

- Created a Python adaptation of the Sega Columns Game using the Pygame Graphics Library; wrote unittesting to test different scenarios; developed my understanding of model-view controller separation and utilizing GUIs

WORK & VOLUNTEER EXPERIENCE

Embedded Systems Engineer, Anteater Electric Racing UC Irvine   **Jan 2022 - Present**

- Developing a dash display with React and Javascript for UC Irvine's Electric Formula SAE car that will interface with the car's CAN system and display telemetry such as battery charge, speed, and g-force.

Founder and President, The Maker Channel (Los Altos, CA)   **Sept 2019 - Present**

- Founded an organization and developed a website with video curricula centered around teaching hospital patients 3D modeling skills using Fusion 360 and TinkerCad. Currently collaborating with Lucile Packard Children's Hospital (Video link: https://bit.ly/3hlYeYs (s4:10-8:25)). Website link: https://www.themakerchannel.com/

Member, IEEE Open Project Space at UC Irvine   **Sept 2021 - Present**

- Selected from 300 applicants to participate in initiative to help college students gain hands-on experience in hardware through projects
- Gained experience in building circuits and integrated systems, soldering, and programming with Arduino software

Consultant, SCNO (Social Consulting for Non-Profit Organizations) at UC Irvine   **Sept 2021 - Present**

- Currently consulting Crime Survivors, an organization that helps crime victims, on implementing a database and effectively utilizing technology to recruit volunteers

Business Development Intern, Savitude (Palo Alto, CA)   **Aug 2019 – Aug 2020**

- Contributed to an SEO research project by analyzing keyword statistics to optimize marketing spend, resulting in doubled website views
- Prepared financial statements in Excel and analyzed customer demographics and competitors to create a SaaS pricing model; researched VC funding sources using Crunchbase

Vice President, Robotics for All (Palo Alto, CA)   **May 2017 – June 2018**

- Served as vice president of a national nonprofit organization that coordinates volunteers to teach programming and STEM courses to K-8 students through robotics
- Created a curriculum consisting of 10 1.5-hour sessions teaching fundamental programming concepts such as workflows, loops, and conditional statements and how to build robots
- Developed a website to promote the organization and helped coordinate logistics for classes

SKILLS, LANGUAGES, INTERESTS

- Skills & Languages: Python, Java, Javascript, HTML/CSS, REST API, React, C++, SQL, Microsoft Word, Powerpoint, Excel, Autodesk Inventor/Fusion 360, Google SketchUp, Basic Spanish
- Interests: Entrepreneurship, Cars, Computers and Technology, Real Estate, Biking, Guitar, International Travel