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Sahil H Patel

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OBJECTIVE

- To leverage my education in Computer Engineering and my experience in programming in a Software Development/Engineering environment.

RELEVANT EXPERIENCE (Video Portfolio on Website)

VR-Hand Drone (Covid-19 Self-Directed Project | Summer 2020)

- Built a drone alongside two friends that is controlled hands-free, to apply classroom learning into practical software and hardware integration.
- Developed an interface between a Leap-Motion VR hand sensor and a DJI Tello drone using live coordinates that feed into a WebSocket over Wi-Fi, enabling me to control and fly the drone using hand gestures (motion control).
- Created a clean GUI using PyGame to enhance user experience when controlling the drone.

Start-up Boot Camp (London, England | Aug – September 2019)

- Created a website to help students find student-tutors; Student tutors are students interested in tutoring and who have taken the same course previously or have expertise in the subject area.
- Gained experience presenting a fully functioning Minimum Viable Product (MVP) to a review panel.
- Project managed various development tasks. Contributed successfully to the team's objectives. Leveraged basic agile methodology and developed a communication plan.
- Learned and gained experience about both the technical and business aspect of creating a startup company.

Hackathons (UCR | November 2018 | November 2020)

- Cutie Hack (UCR Hackathon | 2020) – Created a 3D paint drawing program that lets users draw 3D drawings on a 2D platform. It was coded in python using a Leap-Motion VR hand sensor while utilizing a local WebSocket.
- Cutie Hack (UCR Hackathon | 2018) – Built an algorithm to determine how much money to invest in a portfolio of stocks to net the highest yield with the lowest risk, using a live-stock-market API.

EDUCATION

University of California, Riverside	Riverside, CA	Sep 2018 - present

Bachelor of Engineering, Class of 2022
Major: Computer Engineering
GPA: 3.60
Achievements: Dean's Honors List (Fall 2018 / Winter 2020 / Spring 2020 / Fall 2020 / Winter 2021)

TECHNICAL SKILLS

Programming: C++/ Python (Proficient)   Java / JavaScript/ C / MATLAB (Basic)
Development: CSS / HTML
Version Control: GIT
Environment: Linux (Ubuntu)

WORK EXPERIENCE

Bed Bath & Beyond	Mission Viejo, CA	June 2019 – Aug 2019
		April 2018 – Sep 2018

Sales Clerk

- Team member / Team player. Recognized for outstanding performance with wage increase.
- Helped customers with product recommendations, selections, and addressed concerns.
- Worked the cash register and responsible for restocking inventory on the floor during my shift.