Amogh Arora

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SUMMARY OF QUALIFICATIONS

I am a motivated college freshman with a strong work ethic and creative ability. I have coded efficient computer programs in high school and community college classes. I thrive when collaborating with teammates on group projects and enjoy building camaraderie. I'm passionate about learning the connections between computer networks and human cognitive abilities.

EDUCATION

BS, Computer Science, Freshman-2024 at California Polytechnic State University, San Luis Obispo, CA
Current Coursework: Writing Arguments/Calculus/Western Art/Introduction to Computing

AREAS OF EXPERTISE

Application Development: Python, Java
Computer Networks: Cisco Router/Switches
Network tool - Wireshark
UX-Design: Figma
React (Nodejs/Visual Studio Code)

EXPERIENCE

Programming classes at Ohlone Community College, Fremont;

- Intro to Computers and Info Tech: This course covered the basics of computers, types of operating systems and an introduction to many coding languages.
- CNET-142 Intro to Python: The final project of this class was to draw the American flag and the Olympic rings. My code used the built in turtle function to draw the flag. It used a drawcircle function I made in order to draw the rings. Additionally, I manipulated the turtle into having a map of the US as a backdrop. I used the turtle.write function to write "USA Olympic team" at the top in blue bold font. The code uses the turtle, loops and functions all throughout the program. This code does the Olympic rings and American flag drawings so that the user doesn't have to draw it out by themselves.

Irvington High School, Fremont, CA;   Wt. GPA: 4.2

- Computer elective classes:
- Internet Engineering 1&2: Learned the basics of Networking Fundamentals, LANs, VLANs etc, including foundational network security. Volunteered to lead the school computing lab renovation alongside the teacher.
- Cyber Security: Learnt concepts of Security Operations Center (SOC) and incident response processes.

Summer Springboard UX Design Camp, Cal Poly, SLO, CA

- UX Design with Professor Xiaoying Rong
- This camp explored the basics of UX design and the demand around it. I created a "Study Buddy" app using the Figma tool. The course involved planning, presenting and operating a website. I am currently enhancing it even further by actively participating in online user forums and integrating feedback to make this app more user friendly.

Summer jobs/Projects
- Worked as lifeguard at Hacienda Gardens Swim and Tennis Club (Summer 2022)
- Worked as Safety Marshall at Milpitas Star Aquatics and Fitness (Summer 2023)
- At Code Ninjas I taught kids the basics of Javascript and Scratch programming (Summer 2024)

ACHIEVEMENTS

- Holder of the Presidential Academic Achievement Award
- *Leadership* recognition: Treasurer, High school Core Club
- Certified by Precision Exams for Competency in Network Fundamentals
- RedCross Certified Lifeguard with CPR/AED For the professional Rescuer, First Aid, Epi and Asthma Training, Emergency Oxygen, First Aid for Public Safety Personnel and Blood Pathogens

VARIOUS EXTRACURRICULARS

- CyberPatriot competition: A cyber education program that tests students' knowledge in cybersecurity. Our team went to the Gold Division by working out cyber related problems in VMs.
- Math Tutor: Worked with the CORE Club to educate underprivileged students in Arithmetic/Algebra
- Volunteering at TriCity Band (TBC) for the past 3 years. Participated as part of TBC's regiment at the Fremont 4th of July and Thanksgiving parades. Promoted to the Leadership role as the Assistant Department Head in the supply and logistics department that distributes musical instruments.
- Volunteered at the Alameda County Fair: The fair was in desperate need of volunteers to reinvigorate the fair after the pandemic. Helped out at multiple exhibits to turn them into welcoming venues for exploration.
- Volunteering at Palo Alto Veteran Hospital: I worked in the transport department and whisked veterans from place to place in wheelchairs and gurneys. I worked with my fellow volunteers to help out the hospital as it does great things for American Heroes. I also volunteered at the front desk.
- Marketing Intern at Arees Software: I researched market trends and compiled them into analytical slideshows to send to the company. I would also draft spreadsheets to keep track of software licenses.
- Dash Foundation(volunteer) tutoring over Zoom: Twice a week, I tutored around fifteen elementary school kids in basic Python and Scratch over Zoom and gave them some homework as well. I also had to make engaging and informative slides before every lesson.