Ameer Khan

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EDUCATION

University of California, Santa Cruz   **Santa Cruz, CA**
Bachelor of Science in Computer Engineering with Honors   **September 2015 - June 2019**
GPA: 3.1/4.0
Relevant Coursework:

- Algorithms and Abstract Data Types
- Operating Systems
- Network Programming
- Data Structures
- Computer Architecture
- Probability and Statistics for Engineers

EXPERIENCE

FightPandemics   **Remote - Fremont, CA**
Software Engineer   **July 2020 - Present**

- Building stable, scalable and maintainable code bases for web and mobile using HTML, CSS and JavaScript
- Modifying existing software to implement new features, correct errors, upgrade interfaces and improve performance
- Cooperating with designers, product managers and other software engineer volunteers to review and solve project issues to maximize productivity using Git and Docker

Games for Love   **Remote - Fremont, CA**
Software Developer Intern   **May 2020 - Present**

- Developing a virtual reality environment for the Oculus Quest in C# using Unity and Visual Studio
- Performing implementation of game engine components and gameplay features
- Collaborating with designers, artists and other programmers to ensure all required implementations are delivered

University of California, Santa Cruz - Jack Baskin School of Engineering   **Santa Cruz, CA**
Senior Design Capstone   **January 2019 - June 2019**

- Researched, designed and built a prototype smart toy as part of a team of student engineers
- Created a script using the python libraries Pandas, Matplotlib, NumPy, SciPy to analyze and interpret the data
- Utilized data visualization tools to make clear and concise visual representation of the data in a diagnostic report
- Prepared a detailed research paper by accurately documenting weekly progress and measurable changes

PROJECTS

Facial Recognition System | Python   **March 2020 - April 2020**
Personal Project

- Developed a program that can locate, detect and classify each face in real-time from a video frame using the python libraries NumPy, Face Recognition, Dlib and OpenCV

TCP Chat Network | C   **February 2019 - March 2019**
Network Programming Project

- Built a TCP-based chat program in C that is composed of multiple clients and a server program which is used to connect clients so that they can exchange messages

SKILLS

Programming Languages: C, Python, Java, HTML, CSS, JavaScript, C#, SQL
Frameworks/Tools: Git, Unix, Pandas, Matplotlib, NumPy, SciPy, Unity, Visual Studio, Docker, Microcontrollers

VOLUNTEER EXPERIENCE

Mentor Collective   **Remote - Fremont, CA**
Engineer Mentor   **June 2020 – Present**

- Providing incoming engineering students at UC Santa Cruz with insights to help them adjust to college, facilitate their success and enable them to feel and think like engineers
- Keeping track of each mentee's success plan and academic schedule in order to help them maintain a healthy work-life balance