Ameer Khan

• Fremont, CA • ameerkhan97@gmail.com • 510-754-2066
• linkedin.com/in/ameerkhan97 • github.com/ameerkhan97 • ameerkhan97.github.io

EDUCATION

University of California, Santa Cruz <div align="right">**Santa Cruz, CA**</div>
Bachelor of Science in Computer Engineering <div align="right">**September 2015 - June 2019**</div>
Honors: Graduated with Honors in the Major
Relevant Coursework: Algorithms and Abstract Data Types, Data Structures, Operating Systems, Computer Architecture, Network Programming, Probability and Statistics for Engineers, Microprocessor System Design

EXPERIENCE

FightPandemics <div align="right">**Fremont, CA**</div>
Software Engineer Volunteer <div align="right">**July 2020 - Present**</div>
- 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 and improve performance via Git and Docker

Mentor Collective <div align="right">**Fremont, CA**</div>
Engineer Mentor <div align="right">**June 2020 - Present**</div>
- 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 schedule in order to help them maintain a healthy work-life balance

Games for Love <div align="right">**Fremont, CA**</div>
Software Developer Intern <div align="right">**May 2020 - Present**</div>
- Creating a virtual reality environment for the Oculus Quest in C# using Unity
- Writing and developing application specific code based on design requirements as well as implementing new game mechanics under the direction of programming leads
- Collaborating with game designers, developers and artists to ensure highest quality product as well as debugging and optimizing existing game features

University of California, Santa Cruz - Jack Baskin School of Engineering <div align="right">**Santa Cruz, CA**</div>
Senior Design Capstone <div align="right">**January 2019 - June 2019**</div>
- Researched, designed, documented and built a smart toy using a microcontroller as part of a team of student engineers
- Analyzed and interpreted the test subjects receptive, expressive and fine motor skills using the python data analysis tools Pandas, Matplotlib, NumPy and SciPy
- Utilized python data visualization tools to make a clear and concise representation of the data in a diagnostic report

PROJECTS

NBA Web Scraper <div align="right">**June 2020**</div>
Personal Project
- Created a web scraper in python that can retrieve and display statistics from basketball-reference.com for every player and team using the libraries Pandas, Beautiful Soup, Requests, Html5lib and Tabulate

Facial Recognition System <div align="right">**March 2020 - April 2020**</div>
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 <div align="right">**February 2019 - March 2019**</div>
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