

Ameer Khan

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EDUCATION

University of California, Santa Cruz
Bachelor of Science in Computer Engineering with Honors

Santa Cruz, CA
September 2015 - June 2019

GPA: 3.1/4.0

Relevant Coursework:

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

EXPERIENCE

Games for Love
Software Developer Intern

Fremont, CA
May 2020 - Present

- Developing a virtual reality experimental party game for the Oculus Quest in C# using Unity and Visual Studio
- Implementing, testing, debugging and optimizing gameplay features from initial design to final integration
- Collaborating remotely with game designers, 2D/3D artists, audio engineers and other programmers to ensure all required implementations are scheduled and delivered

University of California, Santa Cruz - Jack Baskin School of Engineering
Senior Design Capstone

Santa Cruz, CA
January 2019 - June 2019

- Researched, designed, documented and built a prototype smart toy as part of a team of student engineers in order to monitor developmental delays of young children
- Developed a python script using python libraries Pandas, Matplotlib, NumPy, SciPy to analyze, interpret and visually represent the test data from a csv file in a diagnostic report
- Displayed strong communication skills when presenting the process and results to the professor in weekly meetings

PROJECTS

NBA Web Scraper | Python
Personal Project

June 2020

- Created a web scraper in python that can retrieve and display statistics from basketball-reference.com for every player and team in tabular form using the libraries Pandas, BeautifulSoup, Requests, HTML5lib and Tabulate

Facial Recognition System | Python
Personal Project

March 2020 - April 2020

- 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
Network Programming Project

February 2019 - March 2019

- 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, Microcontrollers

VOLUNTEER EXPERIENCE

Mentor Collective
Engineer Mentor

Fremont, CA
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