

Ameer Khan

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

OBJECTIVE

Recent computer engineering graduate with a strong passion for software development. Joining the software industry as a software developer would be a great place to start my career.

EDUCATION

University of California, Santa Cruz

Bachelor of Science in Computer Engineering with Honors

GPA: 3.1/4.0

Relevant Coursework:

- Algorithms and Abstract Data Types
- Operating Systems
- Computer Networks
- Computer Architecture
- Data Structures
- Microprocessor System Design
- Network Programming
- Logic Design

Santa Cruz, CA

September 2015 - June 2019

PROJECTS

Facial Recognition System | Python

March 2020 - Present

Personal Project

- Developing a program that can locate, detect and classify each face in real-time from a video frame using the python libraries face-recognition and OpenCV

Smart Diagnostic Toy | C, Python, Microcontroller

January 2019 - June 2019

Senior Design Project

- Worked in a team of five to build a smart toy that can monitor developmental delays of young children
- Developed an algorithm in C to generate the game on a microcontroller that can monitor color and shape recognition
- Developed a python script to plot and analyze data from a csv file in order to generate a diagnostic report

TCP Chat Program | 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

Oscilloscope | C, Microcontroller, Raspberry Pi

November 2018 - December 2018

Microprocessor System Design Project

- Built a dual-channel oscilloscope in C that runs on a raspberry pi which is responsible for configuring the oscilloscope parameters, collecting samples from the microcontroller and displaying the data graphically

SKILLS

Programming Languages: C, Python, Java, HTML, CSS, JavaScript

Frameworks/Tools: Git, Pandas, Matplotlib, NumPy, SciPy, Unix, Microcontrollers, Raspberry Pi, Oscilloscope, Multimeter

LEADERSHIP EXPERIENCE & ACTIVITIES

Society of Asian Scientists and Engineers

Santa Cruz, CA

Member

September 2015 - June 2019

- Networked with other club members in order to help each other with professional development
- Mentored and taught new club members
- Participated in fundraisers in order to help raise money for networking trips to Google, Intel, etc.

VOLUNTEER EXPERIENCE

Fremont Main Library

Fremont, CA

Teen Tech Volunteer

June 2013 - June 2014

- Worked with ten other volunteers to help older adults learn how to use the Internet, smartphones, digital cameras, Microsoft Office and other online web-based accounts such as social media platforms
- Worked as a leader to make sure the older adults left satisfied and to help guide other volunteers as needed