Faris Hijazi

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EDUCATION

University of California Davis, Davis CA

fall 2020-present

Irvine Valley College & Saddleback College,
Irvine CA & Mission Viejo CA — *Transferred*

2018 - 2020

Trabuco Hills High School, Mission Viejo CA— *Diploma*

September 2014 - June 2018

EXPERIENCE

Green Tree Electronics Recycling, Mission Viejo CA

Technician - January 2020 - August 2020

Work involved repairs on laptops and desktops of many manufacturers ex: apple, lenovo, dell, toshiba, etc. wiping user data from hard drives at a large scale, setting up laptops and desktops for resale (install drive and OS). testing of servers, network switches and routers.

Target, Mission Viejo CA

Electronics - October 2018 - January 2019

Help guests, operate cash register, stock shelves, organize back room, sell and activate cellular phones.

Star One ATM, Mission Viejo CA

Junior ATM Technician - June 2017 - 2019

Operate on, program, and fix ATM machines. Work includes replacing components, setting ATM machines up for use and on location troubleshooting and problem solving.

SKILLS

-Technically inclined

-Linux and Windows administration

-Quick learner

-Computer Networking

-PC-building

-Hard Worker

-Problem Solver

-Full-stack

LANGUAGES

-English

-Arabic

PROGRAMING LANGUAGES/FRAMEWORKS

-C++

-C

-Python

-Javascript

-Node

-Express

-React

-Bash

-SQL

-Go

-R

-Tensorflow

-LaTex

-Markdown

PROJECTS

Openvpn VPN server

Secure personal VPN/proxy server running on raspberry pi created with openvpn and UNIX command line tools.

Archissance Design Group, Lake Forest CA

January 2019

Third Windows CAD workstation construction

January 2018

Second Windows CAD workstation construction.

December 2017

Unix file server construction with ZFS redundancy and health monitoring and network setup for use in professional windows environment, complete with remote network access via vpn for file server and RDP access.

January 2015

Windows CAD workstation construction.

Saddleback College projects

Fall 2019

Completed a European trip planning program allowing users to plan trips to European cities in a specified order or by finding the shortest path to take. Was developed using Qt, C++, and a SQL database.

Completed a trip planning program which allows the user to plan a trip to NBA basketball team destinations. The project utilized a custom graph ADT and paths to teams were found using a custom A* pathfinding algorithm. Was developed using Qt, C++, and a SQL database.

Summer 2019

Completed a rudimentary 2D graphics and shape renderer using Qt and C++.

UC Davis projects

Winter 2022 - ECS 152a Computer Networking

Created a TCP web proxy server in python using sockets api to cache web pages accessed through proxy locally.

Fall 2021 - ECS 175 Computer Graphics

Created a webgl 3d viewing program (no other libraries), custom written shaders for, phong and gouraud lighting models with bump mapping for normals. Ability to interactively change lighting position color and diffuse and specular attributes of individual point or directional lights. Custom scene graph data structure to represent the scene.

Spring 2021 - ECS 162 Web Programming

Created an activity tracking website with mobile and desktop views with Google Oauth user authentication and login using HTML, CSS, Javascript, SQlite and Node/express for server and backend.

Created a web app to visualize UC Davis revenue and expenses using D3

charts and animations using HTML, Javascript, CSS, React and D3.

Winter 2020 - ECS 154b Computer Architecture

Spent the quarter on designing and implementing an in-order fully pipelined CPU with branch predictor using the RISC-V specification. Using the Chisel hardware design language.

Fall 2020 - ECS 172 Machine learning

Collaborated on a machine learning model which composed midi music to integrate into a web application using Python/Tensorflow, worked on training the machine learning model with midi files and fine tuning model.