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OBJECTIVE: *An entry-level role in software development or technical support that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field(s) of software development / information technology / data analytics.*

EDUCATION AND COURSEWORK

B.A. in Computer Science, B.A. in Computer Information Technology and Security (December 2020)

Elms College, Chicopee, MA

Relevant Courses: Data Structures & Algorithms (Java), Intermediate Topics in Java Programming, Computer Science 1 (C++), Computer and Network Security, Linear Algebra, Discrete Structures, Calculus III, Classical Physics 2, Database Design & Management, Special Topics in Python, Data Analytics, Professional Programming Project, Computer Security Capstone, Professional Web Project, Web Design, System Administration, Network Administration, Digital Forensics.

SKILLS

Coding: Java | Python | Javascript | C++ | SQL | HTML | CSS | R | BASH | PowerShell | Mathematica

Operating Systems: Linux (Ubuntu 18.04, Linux Mint 18, Fedora 32) | Windows (7 & 10) | Mac OS X (High Sierra, Mojave)

Technologies/Environments: Git | GitHub | Eclipse IDE | IntelliJ IDE | Visual Studio | MySQL 5.X | SQL Server 2012 | SQLite | Node.js | Tableau | Bootstrap | ASP.NET MVC

EXPERIENCE

Technical Support Analyst

Omni Tech Consultants, Phoenix, AZ   October 2019 - Present

- Install, test and configure new workstations, peripheral equipment and software.

- Added, removed, or updated user account information, reset passwords, etc.

- Performed any needed installation of computer hardware, loaded the operating system, installed application software, and readied the personal computer(s) for deployment.

- Developed inventory database of computers, monitors, peripherals and software application licenses using MySQL platform for external small business clients

PROJECTS

Jeopardy Discord Bot

- Created a Discord Chat Bot with Javascript that is able to play a game of Jeopardy inside a Discord server. This project was a look into how to deal with Asynchronous and Synchronous data. I made the Client requests to the Bot Asynchronous which allows the Client to be able to ask for help from the Bot should they need at any time otherwise the Client would have to wait for the Bot to resolve the Promise before the Bot could respond which could be a frustrating experience for the Client.

- I wanted to incorporate an API so I worked with two API's called Discord.js and jService. I was able to pull Jeopardy questions from jService while Discord.js helped me interface with Discord. The project also made use of my database skills in order to keep track of users individual scores as well as a server leaderboard using SQLite.

- Project: https://tcromack.github.io/Jeopardy

Fantasy Football Stats Database & Website Application

- Created an ASP.NET MVC Web Application that allows you to search for football players and their fantasy football stats from a Relational Database. The database was created using MySQL and then creating Entity Framework Models in order to use the database with MVC's Controller. Once the project was working on my Local Host I deployed the database to a server using MS SQL and the web app was then deployed to my school's web server.

- Website - http://citelms.net/Classes/Database/2019Fall/Tyler/V_PlayersWithStats