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EDUCATION AND COURSEWORK

B.A. in Computer Science, B.A. in Computer Information Technology and Security

Elms College, Chicopee, MA

Honors: High Honors, GPA 4.0

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 | SQL | HTML | CSS | C++ | BASH | PowerShell

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

Cognizant - Artificial Intelligence & Analytics Associate Data Engineer   June 2021 - Present

 - Developing industry standard skills through a comprehensive two month training program.

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: 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

IP Location Reverse Lookup

 - Created a GUI application using Java and JavaFX that queries a MySQL database that will return the origin of the given IP address

 - Website - github.com/TCromack/Java/blob/master/Intermediate Topics in Java Programming/IP_Location_Lookup.java