Daniel Frates

719-822-4879   dfrates@uccs.edu   GitHub   LinkedIn

Objective

Looking to apply my skills in programming and problem solving to a position at *Awesome Co, Manufacturers of Gourmet Widgets* where I can continue to learn and grow as a developer.

Education

University of Colorado Colorado Springs   **Colorado Springs, CO**
Bachelor of Science in Computer Science   *August 2019 – December 2023*

Technical Skills

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS, Java, C#/.Net, Swift

Tools and Technologies: Git, VS Code, Eclipse, PyCharm, MySQL, Xcode, Visual Studio

Operating Systems: Windows, Linux, MacOS

Projects

Calculator / *HTML, CSS, JavaScript, Git*

- Built a functional calculator as a web application where the user can perform simple calculations
- Used CSS and HTML to present a straightforward interface and aesthetically pleasing layout
- Used JavaScript for the main calculations and event handling

State Machine Implementation / *Python*

- Created a Deterministic Finite Automata console application that read in a file that contained a rule set
- The program used the rule set to simulate the DFA and determine if a given input was accepted or rejected
- Program could work for many different alphabets and the number of states
- Implemented a way for the user to comment their rule set file to make it easier to read

Music Chart Database / *SQL, MySQL*

- Built a 3NF database of Top 100 Charts from 1964 to 1975 using MySQL workbench and terminal
- Used linking tables to connect useful relationships between the data
- Created multiple SQL queries to extract useful data from the tables