SEOK SONG

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Education

University Of Colorado Boulder Boulder, Colorado
Bachelors of Arts in Computer Science and Economics *August. 2018 – December 2022*

- Computer Science GPA: 3.516

Skills

Languages: Python, C/C++, C#, JavaScript, SQL, MySQL, HTML, CSS
Developer Tools: Jupyter Notebooks, Git, OOP, CI/CD, Unity, Heroku, Postgres, MongoDB, API
Soft Skills: Leadership, Detail Oriented, Communication, Organized, Multitasking
Relavent Course: Data Structures, Algorithms, Computer Systems, Data Science, Principles of Software Development, Principles of Programming Languages, Database Systems

Coding Projects

CU Sprint | *C#, Unity, HTML, CSS, Heroku, SQL, JavaScript* January – May 2020

- Developed a 6 level 2D game with multiple features such as jumping puzzles, obstacles, low gravity and much more using **C#** in **Unity**
- Integrated onto a website made using **HTML/CSS** and **JavaScript** while hosted on **Heroku** with user data being stored using a **SQL** database
- http://cusprint.herokuapp.com/home

UNO Game + UNO Bot | *C++* March – May 2019

- Developed the base game of UNO using **C++** allowing 1 player to compete against 3 bots
- Generated 3 different bots that would play the user, with each bot having different play styles
- Implemented rule several non-traditional rules that the user could turn on and off

New York Map | *C++, GitHub, Termcolor* November – December 2019

- Constructed a basic map of New York using **C++** and created a simplified version of Apple/Google maps using Dijkstra's Algorithm
- Displayed the optimal path with the surrounding shops and buildings around the final destination

Experience

Undergraduate Teaching Assistant January 2020 – December 2020
Data Structures Teaching Assistant *Boulder, Colorado*

- Teaching recitations for multiple Data Structures and Algorithms courses
- Lead weekly recitations working through implementations on data structures and algorithms while explaining their strengths and weakness and run times
- Hold office hours in order to assist students on homework's and to answer any questions they may have on the material

Student Developer August 2019 – January 2020
University of Colorado Bursars Office *Boulder, Colorado*

- Developed a **Python** script that allows the collection and organization of 10,000 student profiles in order to keep track of every students College Opportunity Fund (COF) status and send any alerts if necessary
- Automated the process of verifying 500 (per semester) student Intra University Transfer (IUT) applications using **C#** and **JavaScript** ensuring that all requirements have been met and assign a new advisor