SEOK JUN SONG

Computer Science & Economics

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in SeokSong   ○ SeokSong   ⌗ https://seoksong.herokuapp.com/   ♦ Boulder, Colorado

EDUCATION

University of Colorado Boulder

Bachelors in Computer Science | Economics

📅 Aug 2018 – Dec 2022

Boulder, CO
- Computer Science Major GPA: 3.516

TECHNICAL SKILLS

C/C++   C#   Python   Scala   JavaScript   SQL
Postgres   HTML   CSS   GitHub   Git   Heroku
Unity   Aglie   Scrum

PROJECTS

CU Sprint
- 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
- Project was done using an **Aglie** based framework, **GitHub** and **Unity's** code modification tracking packages
- ⌗ http://cusprint.herokuapp.com/home

UNO Game + UNO Bot
- Developed the base game of UNO using **C**++ allowing 1 player to compete against 3 bots, giving the user the ability to choose different rule sets
- Generated 3 different bots that would play the user, with each bot having different play styles

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

Baseball Data
- Took clean data and used **Python** to organize to creating various graphs that allows the user to analyze different statistics
- Created features that allowed the user to directly compare 2 players or teams and all their statistics side by side

RELEVANT COURSES

Data Structures   Discrete Structures
Algorithms   Data Science
Database Systems   Computer Systems
Principles of Programming Languages

EXPERIENCE

Data Structures Teaching Assistant
University of Colorado Boulder

📅 January 2020 – Present

- Lead recitations where students get the chance to apply the material learned in lecture
- Prepare a short presentation to reintroduce the topics that will be covered in that weeks recitation
- Hold office hours to assist on homework and answer any questions they may have on the material

Student Developer
University of Colorado Boulder Bursars Office

📅 August 2019 - January 2020

- Developed a **Python** script to organize data, in order to keep track of student COF (College Opportunity Fund) status to send a personalized email on a schedule to whoever had an error or incomplete application
- Lead the development of the new IUT (Intra University Transfer) system in **JavaScript and C#** to automate the process of checking if a student has fulfilled all the requirements of the requesting a college of choice, and admitting them if requirements are met

SOFT SKILLS

- The ability to keep track of multiple deadlines and events to stay on top of tasks, shown by the overlap in multiple jobs while keeping a rigorous class schedule
- Capable of operating on multiple teams, leading when the opportunity arises, illustrated by various team projects with different classes and jobs