Seok-Jun Song

Computer Science

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About Me

Technical Skills C/C++, Python, Latex, JavaScript, C#, HTML/CSS, SQL, Unity
Languages Elementary in Korean, Fluent in English
Interests Cinematography, Photography, Videography, Video Games, Swimming

Education

University of Colorado Boulder Boulder, CO (2018–Present)

- Computer Science GPA: 3.850

Personal Projects

CU Sprint (Spring 2020)

- Developed a website and game using tools such as **SQL, Heroku, Javascript and C#**
- Created a 6 level 2D game with multiple features such as jumping puzzles, obstacles, low gravity and much more
- www.cupsrint.herokuapp.com

UNO Game + UNO Bot (March 2019)

- Created the base game of UNO using **C++** allowing 1 player to compete against 3 bots
- Created 3 different bots that would play the game all differently from each other

New York Map (September 2019)

- Created a very basic map of New York using **C++** and created a very simple version of Apple/Google Maps
- Used Dijkstra's Algorithm to be able to search the fastest route from the given starting location to the given final destination
- Once the path is shown, it will print out the surrounding shops and buildings around

Work Experience

University of Colorado Boulder
Student Developer Boulder, CO (Fall 2019)

- Using **Python** to find certain errors in student COF (College Opportunity Fund) to send a personalised email on a schedule to however had an error or incomplete application.
- Helped develop the new IUT (Intra University Transfer) in **JavaScript and C#** to automate the process of checking if a student has been all the requirements of the requested college of choice, and admitting them if requirements are met.

University of Colorado Boulder
Course Assistant Boulder CO (January 2020)

- The main role of my job is to help students with assignments during "office hours" to give any extra help on how to implement the current data structure being taught in lectures
- Help the TA's (Teaching Assistants (Grad students)) in recitations to be able to provide more hands on teaching in smaller classes then lecture

Course Work

Mathematics

- Calculus 1/2
- Discrete Mathematics **Python, Latex**

Computer Science

- Intro to Computational Thinking **Python**
- Starting Computing **C++**
- Data Structures/Algorithms **C++**
- Computer Systems **C**
- Software Development Methods and Tools **JavaScript, HTML/CSS, SQL, Unity**