MATTHEW LIM

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Education

University of Southern California, Viterbi School of Engineering - Los Angeles, CA   Expected May 2023
Bachelor of Science, Computer Science; Minor: Applied Analytics   GPA: 3.57/4.0
- Relevant Coursework: Principles of Software Development, Data Structures, Algorithm Design, iOS App Development
- Honors: Deans Scholarship Recipient

Projects

Search Engine(C++)   Spring 2020
- Successfully developed a search engine, cataloguing and connecting an input of pages through links with crawlers, and providing various search and advanced search options through parsers.

Traffic Simulation(C++)   Spring 2020
- Designed and built a traffic grid including traffic jams, simulating multiple vehicles' progress towards a set destination point

Hippocampus Model(Python/Java)   Summer 2019
- Effectively coordinated timeline and programming aspects of computational model of a hippocampus with Alzheimer's
- Presented results in an accessible manner to a general audience, and regularly communicated progress to a professor

AVL Tree Coloring(C++)
Summer 2020
- Integrated a map-coloring algorithm derivative of the four-color theorem using AVL tree structures

Skills & Interests

Java, C++, Swift, Python
- Conducted and collaborated on multiple projects in each language, with extensive experience in Java and C++

Electron, React, JavaScript
- Acquired experience with Electron and ReactJS framework through project experience(refer to Involvement)

Github, Linux
- Coordinated projects using version control software Git/Github, and experience with programming within Linux OS system

Soft Skills: Interpersonal skills, adaptability, willingness to learn, critical thinking, communication, time management

Involvement & Experience

CJ Logistics - Seoul, South Korea   May 2020 - Aug 2020
Delivery Manager
- Oversaw & managed deliveries for largest delivery company in South Korea, within a specific region of Seoul
- Personally trained multiple delivery drivers to operate by maximizing efficiency

ScopeSC - Los Angeles, California   September 2020 - Present
Member
- Coordinated beginning stages of development of a USC Marketplace application using React(on-hold due to pandemic)
- Formed strong bonds with fellow students within Scope community
- Developed experience in Electron and ReactJS

WorkBenchSC - Los Angeles, California   August 2020 - Present
Tech Team
- Consulted and worked with USC-based startup Bridg in both front and back-end development using the MEAN stack
- Communicated with fellow Workbench teams in production, marketing, and finance on practical business solutions

USC Data Science Club - Los Angeles, California   September 2020 - Present
Member
- Engaged in various workshops and speaker events, engaged in data science and deep learning curriculum