

MATTHEW LIM

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Education

University of Southern California, Viterbi School of Engineering - Los Angeles, CA

May 2023

Bachelor of Science, Computer Science, Minor: Applied Analytics

GPA: 3.57/4.0

- Relevant Coursework: Principles of Software Development, Data Structures, Discrete Math, iOS App Dev, Linear Algebra
- Honors: Deans Scholarship Recipient

Projects

Search Engine(C++)

April 2020

- Planned and developed a basic 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++)

February 2020

- Designed and built a traffic grid including traffic jams, simulating multiple vehicles' progress towards a set destination point

Hippocampus Model(Python/Java)

July 2019

- Coordinated general 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++)

May 2020

- Programmed BST and AVL tree structures, applied to a map-coloring algorithm similar to four-color theorem

Skills & Interests

Java, C++, Swift, Python

- Proficient in all four languages, and conducted various projects in each

Electron, React, JavaScript

- Experimented with Electron and ReactJS framework through club curriculum(refer to Involvement- Scope)

Computational Modeling & Neural Networks

- Translated neuroscience concepts to code through a computational model, and earned experience in neural networks

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

Involvement & Experience

CJ Logistics

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

Member

- Coordinated beginning stages of development of a USC Marketplace application using React(on-hold due to COVID-19)
- Formed strong bonds with fellow students within Scope community
- Developed experience in Electron and ReactJS

WorkBenchSC

Tech Team

- Consulted and worked with USC-based startups in both front and back-end development
- Communicated with fellow Workbench teams in production, marketing, and finance on practical business solutions

USC Data Science Club

Member

- Participated in various workshops and speaker events, engaged in data science and deep learning curriculum