Unn Seo (Grace) Park

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EDUCATION

Carnegie Mellon University, School of Computer Science   Pittsburgh, PA
Bachelor of Artificial Intelligence   *08.2020 - 12.2023*
Current Coursework: Parallel and Sequential Data Structures and Algorithms, Research in Computer Science
Past Coursework: Introduction to Machine Learning, Computational Perception, Modern Regression, Great Theoretical Ideas in Computer Science, Functional Programming

WORK / EXPERIENCE

Data Interaction Group, CMU / Research Assistant   Pittsburgh PA   *2023.01 - Current*
Developing a unified evaluation model using dynamic models for AI-based medical decision-making models for sepsis treatment.

Cryptolab / Research Engineer Intern   Seoul, South Korea   *2022.07 - 2022.08*
Implement and compare the performance and speed of different optimizers such as SGD, Adam, and Adagrad for regression models of homomorphically encrypted data.

AI MakerSpace, CMU   Pittsburgh PA   *2021.09 - 2022.05*
Set up different robots such as Misty and Kinova robotic arm in the AI makerspace and prepare for opening. Construct manuals and descriptions on how to use each robot.

Mediazen / Software Engineer Intern   Seoul, South Korea   *2021.06 - 2021.08*
Assist in the development of computer vision technology including gaze tracking and lip reading.

Beyond Coding / Teacher   Seoul, South Korea   *2021.01 - 2021.08*
Teach intermediate-level programming in python to middle school students.

PROJECTS

Anyways… – TartanHacks   *Spring 2023*
A program created to help users stay focused on group discussions by saying "anyways…" when the discussion gets off-topic. Uses real time speech-to-text technology and keyword similarity analysis using the spaCy natural language processing library. Designed an algorithm for detecting off-topic sentences using keyword similarity.

CampusMap – HackCMU   *Fall 2022*
A prototype android app developed in Kotlin for users to find the shortest route between two locations on campus. Using the Google Maps API, the app measures the distance the user walks to reach the destination from the starting point. The leaderboard displays the shortest paths that other users took.

Malloc Lab (C) – Introduction to Computer Systems   *Fall 2021*
Implement a dynamic memory allocator which consists of the malloc, free, realloc, and calloc functions.

Drive Game (Python) – Fundamentals of Programming and Computer Science   *Fall 2020*
A car-driving game that has a top-down view. Contains a map generation algorithm that creates new random maps. Contains a minimap feature that shows the location of the player's car.

SKILLS

Programming Languages: Python, C, SML, R, Java
Technologies: LaTeX, Git, Vim, Unix
Languages: English (Fluent), Korean (Fluent), Spanish (Intermediate), Russian (Beginner)