Grace Park

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EDUCATION

Carnegie Mellon University, School of Computer Science Pittsburgh, PA
Bachelor of Science in Artificial Intelligence *Dec 2023*
Coursework: Parallel and Sequential Data Structures and Algorithms, Intro to Machine Learning, Computational Perception, Modern Regression, Great Theoretical Ideas in Computer Science, Functional Programming

WORK / EXPERIENCE

RedHat | Software Engineer Intern *May 2023 - Current*
- Contribute to the OpenStackSDK Manila API. Create a patch for the share snapshot metadata resource.

Data Interaction Group, CMU | Research Assistant *Jan 2023 - Current*
- Developed a unified evaluation model using transformer based dynamic models that evaluates the performance of policies generated by AI-based medical decision-making models for sepsis treatment.
- Produced results that evaluate and compare the performance of transformer based dynamics models with RNN based and linear regression based dynamics models to find the appropriate model for the MIMIC-IV dataset.

Cryptolab | Research Engineer Intern *July 2022 - Aug 2022*
- Implement and compare the performance and speed of different optimizers such as SGD, Adam, and Adagrad for regression models of homomorphically encrypted data.

Mediazen | Software Engineer Intern *June 2021 - Aug 2021*
- Assist in the development of computer vision technology including gaze tracking and lip reading.

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.

LEADERSHIP

Carnegie Mellon Univeristy | Tartan Ambassador *May 2023 - Current*
Conducted hour-long in-person tours across campus for a group of up to 20 visitors.

CMU Korean Student Association | Executive Member *Sept 2021 - Dec 2022*
Hosted weekly meetings and planned for events such as food sales, mentor programs, Korean Independence Day events on campus to promote Korean culture.

AI MakerSpace, CMU | Undergraduate Assistant *Sept 2021 - May 2022*
Set up various robots such as Misty and Kinova robotic arm in the AI makerspace and prepare for opening. Constructed manuals and descriptions on how to use each robot.

Beyond Coding | Teacher *Jan 2021 - Aug 2021*
Taught beginner to intermediate-level programming in python to a group of 10 middle school students. Prepared for 3-hour lectures that consisted of interactive activities to engage students

SKILLS

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