

Grace Park

upark@andrew.cmu.edu | +1 (412) 214 2299

EDUCATION

Carnegie Mellon University, School of Computer Science

Pittsburgh, PA

Bachelor of Science in Artificial Intelligence

May 2024

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 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 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 University | 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 and provide support for students using the robots.

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 weekly 3-hour long sessions of lectures and activities. Assisted students with their individual projects.

SKILLS

Programming Languages: Python, C, SML, R, Java

Technologies: LaTeX, Git, Vim, Unix, Pytorch

Languages: English (Fluent), Korean (Fluent), Spanish (Intermediate), Russian (Beginner)