Jinghong Peng

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Education

Carnegie Mellon University, Heinz College   **Pittsburgh, PA**
- Master of Information Systems Management   Aug 2022 - Dec 2023

Georgia Institute of Technology   **Atlanta, GA**
- Bachelor of Science in Computer Engineering; Minor in Computing & Intelligence   Dec 2019 - May 2022
- Relevant Courses: Machine Learning, Computer Vision, Cloud Computing, Embedded Systems Design, Database Systems, Introduction to Perception and Robotics

Emory University   **Atlanta, GA**
- Bachelor of Arts in Mathematics and Economics   Aug 2017 - Dec 2019

Industry Experience

Meta   **Menlo Park, CA**
Software Engineer Intern   May 2022 – Aug 2022
- Implemented a Centralized Preference Management tool on Android Messenger that reaches over 1 billion users using Kotlin, Java, GraphQL and Hack.
- Designed and implemented a custom Quick Promotion to upsell the CPM features for Android Messenger users.
- Constructed detailed product launch plan and hosted technical design meetings for CPM features with engineers and product designer on the team.
- Added unit test coverage of 90% and increased Jest testing coverage for Recurring Notification features from 0 to 100% using JavaScript.

Kiwi   **Atlanta, GA**
Co-founder & Software Developer   Dec 2020 – Aug 2021
- Built a browser extension that automatically compare prices and collect reviews for fashion products.
- Implemented the front-end of the browser extension with React JavaScript, HTML, and CSS.
- Scraped 10,000+ items from 15 retailer websites using Python and Selenium and managed data with the AWS DynamoDB**.**
- Extracted comprehensive features from images and texts with convolution neural networks and one-hot encoding.
- Engineered an entity matching algorithm with random forest classification ML model and achieved 85% accuracy.

NTT DATA Corporation   **Shanghai, China**
Software Development Intern   Dec 2017 - Jan 2018
- Utilized Java and JavaScript to develop a medicine distribution management software for one of the NTT DATA's clients.
- Consulted the customer about software system design and maintenance and built a prototype of the software.

Research Experience

Contextual Computing Group, Georgia Institute of Technology   **Atlanta, GA**
PopSign: Teaching American Sign Language Using Mobile Games
Software Developer   Dec 2020 - May 2022
- Collaborated with teammates to develop a mobile iOS/Android game to teach deaf children's parents ASL vocabularies.
- Created new game features with Unity and C# that allowed users to select vocabulary and customize a new game level.
- Tested the game on various Android and iOS mobile devices and debugged issues.

Autonomous and Connected Transportation Lab, Georgia Institute of Technology   **Atlanta, GA**
Autonomous Driving Research   July 2020 - Dec 2020
- Split a 20,400 frames training video into individual frames, attached ground truth speed to each frame, and added optical flow and visual effects to data frames to achieve a robust training dataset.
- Used the Keras library from TensorFlow framework to train and conduct hyper-parameter tuning on a five-layer Convolutional Neural Network that can predict the speed of cars from dashcam videos.

Skills

Programming: Java, Python, Kotlin, JavaScript, React, Hack, GraphQL, C++, HTML, CSS, MySQL
Software Tools: Unity, GitHub, Linux, AWS