

MICHAEL SONG

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Skills

PROGRAMMING LANGUAGES

Python
C
Java
HTML/CSS
Javascript

TECHNICAL SKILLS

Data Parsing
Web Development
iOS Development

Education

Carnegie Mellon University
B.S. Information Systems
GPA: 3.8/4.0

May 2023

Employment

Amazon Seattle, WA
Software Development Engineer Intern

- Created Alexa Skill that allows patients to send HIPAA secure messages to designated healthcare providers
- Designed voice user interface (VUI) flow and created high-level and low-level system designs through extensive tech research

Projects

- Stock Price Displayer & Sentiment Analyzer - iOS App
- Designed in XCode to produce current prices of stocks through networking API
 - Company sentiment parsed through Natural Language Processing (NLP) of recent tweets
- Augmented Reality Pokemon Card Displayer - iOS App
- Utilized ARKit2 in XCode to scan for registered objects and coded for a 3D rendering of card-specific pokemon to appear once the object enters frame
- Pokemon Gym Simulator - TKinter Python Module
- Created Pokemon gym simulator fit with battle and exploration mode
 - Structured with Djikstra's & Kruskal's algorithms to facilitate a seamless user experience
- Machine Learning & Computer Vision Image Identifier - iOS App
- Defined machine learning model through the use of Tensor Flow
 - Incorporated the trained model into an iOS app, allowing users to identify objects in their photo library/camera
- Augmented Reality Measuring App - iOS App
- Implemented ARKit in XCode to analyze iPhone camera surroundings and measure distances specified by the user through registered taps on the screen

Activities

- Sigma Chi Fraternity · Inter-fraternity Council Representative Current
- Maintained a stable relationship between local chapter of Sigma Chi and Carnegie Mellon Univ.
- DECA (Distributive Education Clubs of America) · Executive Board President
- Demonstrated problem solving skills under pressure
 - Improved understanding of business world through analyzing case-studies