Michael Song

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EDUCATION

Carnegie Mellon University   **Pittsburgh, PA**
B.S. in Computer Science   *Fall 2022*
B.S. in Business Administration
Dean's List High Honors   *GPA: 3.90/4.00*
Relevant Coursework:
- Data Structures and Algorithms, Introduction to Computer Systems, Fundamentals of Computer Science
- 3D Calculus, Concepts of Mathematics, Differential and Integral Calculus

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

ACCOMPLISHMENTS & LEADERSHIP

Sigma Chi Fraternity   **Pittsburgh, PA**
Interfraternity Council Representative   *2020-present*
- Maintain a stable relationship between local chapter of Sigma Chi and Carnegie Mellon Univ.

DECA (Distributive Education Clubs of America)   **Orlando, FL**
3rd Place Internationally, Chapter President   *2017-2019*
- Demonstrated problem solving skills under pressure
- Improved understanding of business world through analyzing case-studies

TECHNICAL SKILLS

Programming Languages		Skills
- Python	- HTML/CSS	- Web Development
- C	- Javascript	- Data Parsing
- Java	- Swift/iOS App Development	- Natural Language Processing