

# Jeffrey Chiu

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## Education

### Carnegie Mellon University

Expected May 2021

B.S. in Information Systems

Minor in Business Admin.

## Coursework

Information Systems Consulting

Application Design and Dev.

Mobile App Design and Dev.

Database Design and Dev.

Human AI Interactions

Practical Data Science

Design Fundamentals

Probability Theory

Imperative Computation

Operations Management

## Experience

### Intel Corporation

ML Workload Development Intern 2020

- Developed neural nodes to work with various machine learning workloads and connect with architectural benchmark tools
- Generated automated process to parse through neural networks and create python files running through a CPU process
- Created model references to streamline operation of how network files and outputs are modeled in a GPU flow process

### NTU IoX Center

Software Engineer Intern 2019

- Built web application for Python-based Interactive Dialogue Robot system based on Model-View-Controller format
- Added authentication/authorization, dashboard, progress tracking functionalities using Ruby gems
- Defined task classes and intent classifications using multi-modally collected data for ease of usage and clarity within application

## Skills

### Programming Languages:

Python, SQL, Swift, Ruby, C, R,  
HTML/CSS, PHP, JavaScript

**Technologies:** Node.js, Caffe,  
PostgreSQL, SQLite, MySQL,  
MongoDB, Redis, Figma, Unity,  
Flask, Jinja, Rails, WordPress

### Spoken Languages:

English(fluent), Chinese(fluent),  
French (conversational)

**Additional:** Adobe CC

## Projects

### MIXR | *Mobile App Design and Development*

Fall 2020

- Created iOS application with Swift that created collaborative playlists based off of user song preferences with MVC architecture
- Utilized Spotify API/iOS SDK to work with tracks, create playlists, and analyze songs for distinguishable attributes
- Worked with seeds and concepts of data analytics to generate recommendations based off of 13 unique song attributes

### Yummy Plants | *Information Systems Consulting*

Spring 2020

- Developed custom CSS, JavaScript, PHP framework to update website and support website information
- Updated database structure and created information hierarchy to organize website information and backend
- Repurposed and configured plugins to support custom needs

### Peace in Pittsburgh | *HackCMU Project*

Fall 2018

- Created heat map filtered through crime severity, time of day to help CMU students to travel safely around Pittsburgh
- Used crime database to produce information onto heat map that was displayed with Google Maps API

## Leadership

### ECAASU National Board

Events Coordinator (Present)

### Asian Students Association

Vice President (2019)

### Phi Delta Theta PA Rho

Philanthropy Chair (2019-2020)