**Matthew Sah**

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4421 Chestnut Ridge rd. 14228, NY, Buffalo

**EDUCATION**

**University at Buffalo, The State University of New York** Expected Graduation**: August** 2020

Master of Science in **Engineering Science (Data Science)**

**Fu Jen Catholic University, New Taipei City, Taiwan. September** 2014 - **June** 2018

Bachelor in Business Administration,

Major in **Information Management**

Minor in **Computer Science and Information Engineering**

* *Call Recording System – Best Popularity Award* *- International ICT Innovation Services Award. Earned among 100+ teams of contestants*

**PROFESSIONAL EXPERIENCE**

**Mindcraft - Taipei, Taiwan**

*Software Engineer* **April** 2018 –**August** 2019

* Developed web application for a startup company focused on providing Smart Assistant services
* Cooperated with multiple companies to provide commercial services across different platforms
* Lead and managed multiple projects within the company
* Produced demo projects for various cases with short deadlines

**PROJECTS**

**Data Center April 2018 – August 2019**

* Developed Data Center with 150+ API for prompt response
* Consistently provided maintenance throughout the whole employment duration and kept accumulated downtime within an hour and less
* Deployed system commercially for multiple high-volume platforms including banks and telecommunication services companies

**Accurate Sales Advertisement Panel January 2019 – March 2019**

* Implemented Natural Language Processing(NLP) engine into advertisement panel with face recognition engine to provide accurate sales for different categories of consumer
* Deployed at major banks in Taiwan as a Question-Answer system for users
* Designed steps flow for optimal user experience

**Smart Assistant for iOS December 2018 – January 2019**

* Developed an implementation of Mindcraft’s smart assistant into the iOS platform with Swift
* Self-taught and completed the project within company expectaions

**Automatic Speech Recognition (ASR) October 2018 - December 2018**

* Researched and implemented an opensource ASR engine for Mindcraft
* Retrained the language and acoustic model up to 80% accuracy

**Call Center Recording System March 2017 – December 2018**

* Cooperated with Hualiteq to develop and integrate their Call System into a customizable Customer Relationship Management (CRM) System
* Managed a team of four to coordinate all system requirements and development interactions with Hualiteq

**SKILLS**

* Programming Languages: Java, Python, PHP, SQL, MATLAB, R
* Developing Skills: Hibernate, Spring, Docker, Data Science, GIT, UNIX, Web Scraper
* Languages: English, Mandarin