

# Matthew Sah

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## EDUCATION

**University at Buffalo, The State University of New York**  
Master of Science in **Engineering Science (Data Science)**

Expected Graduation: **August 2020**

**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 expectations

**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