

# 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 applications for a fast paced startup company providing Smart Assistant services across different platforms with Java under the Spring framework
- Developed software solutions by studying information needs, conferring with users, and studying systems flow, data usage, and work processes
- Wrote scripts to simplify and automate monitoring service status

## SELECTED PROJECTS

**Data Center**

**April 2018 - August 2019**

- Extracted and transformed open data into technical solution for multiple high-volume platforms of major banks and telecommunication services companies
- Implemented 150+ API for response with minimal latency; responsible for maintenance and database design
- End to end development throughout whole employment duration and kept accumulated downtime within an hour and less

**Call Center Recording System**

**March 2017 - December 2018**

- Cooperated with Hualiteq to develop and integrate their Call System into a customizable and scalable Customer Relationship Management (CRM) System
- In charge of coordination and system analysis with Hualiteq throughout entire duration
- Lead of product management, database design and back-end development for a team of 4

**Insights of the Current Software Engineering Market**

**October 2019 - December 2019**

- Designed and visualized analysis of the tech job market in regards to necessary skills required, anticipated salary, and prospects expected from the market
- Team project with implementation using data mining techniques in Python

**Analysis of the Airbnb**

**October 2019 - December 2019**

- Built predictive model of the Airbnb market in New York, with an objective to provide new hosts pricing recommendation for optimal customer retention
- Statistical data mining and visualization of key points to gain traction and tenants

## SKILLS

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