**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 applications for a startup company providing Smart Assistant services across different platforms
* 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

**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 instant response; responsible for maintenance and database design
* Maintained throughout the 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 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

**Analysis of the Airbnb October 2019 - December 2019**

* Analysis of the Airbnb market in New York, with an objective to provide new hosts pricing recommendation for optimal customer retention
* Data exploration 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