Matthew Sah

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EDUCATION

University at Buffalo, The State University of New York Expected Graduation**: August 2020**
Master of Science in **Engineering Science (Data Science)**

- *A one year program focused on rigorous training in data science, SQL, and statistics.*

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 in fast paced startup company providing Smart Assistant services
- Produced multiple demo projects with end to end responsibilities under tight deadlines
- Developed software solutions by studying information needs, conferring with clients, and studying systems flow, data usage, and work processes
- Wrote scripts to simplify and automate monitoring service status
- Constantly self taught tools and languages to assist in production

SELECTED PROJECTS

Data Center *- Java, Spring, Hibernate, PostgreSQL, Web Crawler, Restful API Services, Git* *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 - PHP, MySql, Apache Tomcat, HTML/CSS/JS *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 - Python, SQLite, Git *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
- Implementation using data mining techniques in Python with emphasis on Exploratory Data Analysis(EDA) and data cleaning
- Coordinated team progress and managed version control as leader in a group of three

Analysis of the Airbnb - Python, Git *October 2019 - December 2019*

- Built predictive model of the Airbnb market in New York using supervised methods, 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 with tools such as NumPy, pandas, Scikit-learn, statsmodel, seaborn and more.

SKILLS

- Programming Languages: Java, Python, PHP, SQL, MATLAB, R, Shell
- Developing Skills: Spring, Hibernate, Docker, GIT, UNIX, Web Scraper, Agile, Jenkins
- Data Science Skills: NumPy, pandas, Scikit-learn, statsmodel, seaborn.