**Matthew Sah**

+1(716)275-4743•[msah@buffalo.edu](mailto:msah@buffalo.edu)•[linkedin.com/in/matthew-sah/](http://linkedin.com/in/matthew-sah/)•[github.com/szacharias](http://github.com/szacharias)

Apt #6 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)**

* *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 data science tools and machine learning methods such as logistic regression, KNN, and SVM, .

**SKILLS**

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