**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 three semester program focused on providing rigorous training in programming, machine learning, data analytics, SQL, and quantitative theories.*

**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 services solutions at startup company with end to end responsibilities by analyzing information needs, systems flow, data usage, work processes and conferring with clients
* Reduced redundant time by developing scripts on Jenkins to simplify service monitoring, and unit test to automate and complete testing
* Utilized Scrum for Agile development, participated in team-led solution and code reviews for coworkers

**Hualiteq - Taipei, Taiwan**

*Software Engineer Intern* ***February 2017 - December 2017***

* Lead of product management, database design, and back-end development for a team of four interns
* Developed software solution now deployed in major banks in Taiwan

**SELECTED PROJECTS**

**Data Center** *- Java, Spring, Hibernate, PostgreSQL, Web Crawler, Git, RESTful, JSON, API* ***April 2018 - August 2019***

* Extracted and transformed open data into technical solutions for multiple high-volume platforms of major banks and telecommunication services companies
* Implemented 150+ API for response with minimal latency
* End to end development throughout whole employment duration and minimized system downtime

**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 Data Analysis and data processing
* Coordinated team progress and managed version control as leader in a team of three

**Smart Assistant intergrated in Smart Home** - Java, Spring, Hibernate, MQTT, PostgreSQL ***March 2019 - June 2019***

* Integrated Data Center with existing smart assistant services into smart home speakers.
* Developed

**Call Center Recording System** - PHP, MySQL, Apache Tomcat, HTML/CSS/JavaScript ***March 2017 - December 2018***

* Develop a customizable and scalable Customer Relationship Management (CRM) System integrated with existing Call System .

**SKILLS**

* Programming Languages: Java, Python, SQL, PHP, MATLAB, R, Shell Scripting
* Technologies : Object Oriented Programming, Agile, Git flow, RESTful APIs, UNIX, Docker, Jenkins, Unit Testing
* Developing Skills: Spring, Hibernate, Web Scraper, JUnit, Maven