

# Chun Hei Siu (Charles)

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## EDUCATION

**University of San Francisco, College of Arts and Sciences**  
*Master of Science in Data Science*

San Francisco, CA, USA  
Expected June 2020

- Scholarship recipient, Fall 2019, Spring 2020.

**University of San Francisco, College of Arts and Sciences**  
*Bachelor of Science in Data Science, Minor in Design*  
*Concentration in Computational Analytics*

San Francisco, CA, USA  
cum laude, May 2018

- VP of Internal Affairs, Hong Kong & Macau Student Association, 2015 – 2018.
- Director of Technology, Asian Entrepreneurs Club, 2015 – 2016.
- USF Provost's Merit Award recipient, 2014 – 2018.
- Dean's Honor Roll, Fall 2014 – Spring 2018.

## WORK EXPERIENCE

### Valimail

San Francisco, CA, USA  
Oct 2019 – Current

*Data Science Intern*

- Design and Implement functions in Dockerized modules within the domain industry classification pipeline.
- Built web scrapers to gather multiple external data sources for machine learning model training.
- Develop Python scripts to analyze web technologies used on websites and acquire API resources for feature engineering.

### Hong Kong Applied Science and Technology Research Institute (ASTRI)

Shatin, Hong Kong  
Aug 2018 – Jun 2019

*Engineer, Software Development*

- Designed and Developed REST APIs in the backend module for the Intelligent Advertisement Management Platform.
- Implemented DevOps such as CI/CD with Jenkins and GitLab CI in the development environment. Improved productivity by eliminating the need for manual image building and deployment.
- Integrated service mesh management with Istio on Kubernetes. Designed Kibana dashboards for metric aggregation and distributed tracing in the development environment.
- Maintained workstations and server equipment for software development and client demonstration. Coordinated with the project manager for equipment procurement.

### Macroview Telecom Limited

Quarry Bay, Hong Kong  
Jun 2016 – Aug 2016

*Software Development Summer Intern*

- Performed quality control tests for in-house software applications integrated with Cisco Unified Communications Solutions.
- Developed and Presented a demo application integrated with Cisco Jabber Web SDK.

## ACADEMIC PROJECTS

- **NBA Player of the Week & Salary Prediction:** This group project used various data sources related to NBA players to predict how likely a player is to receive the Play of the Week award using logistic regression, as well as to predict his salary using linear regression, for a given NBA season.
- **USF MEDA Practicum:** This group project, in collaboration with the Mission Economic Development Agency, analyzed and visualized various distance and school placement metrics of elementary school students who are clients of MEDA, using publicly available school quality and demographic information combined with proprietary information.
- **SFO Air Traffic Landings Statistics:** This project visualized and analyzed various landing statistics of San Francisco International Airport (SFO), using the dataset published by the SF Airport Commission through DataSF.

## TECHNICAL SKILLS

- Programming Languages: Java, Python, R, JavaScript, SQL, HTML, CSS
- Operating Systems: Windows, macOS, Ubuntu, CentOS
- Tools & Platforms: Jupyter Notebook, Apache Spark, Docker, Kubernetes, Jenkins, Elasticsearch, Kibana, Redis, StreamSets Data Collector, Apache Kafka, RStudio