

Ralph Vincent O., Perez

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EDUCATION & QUALIFICATIONS

The University of Hong Kong

Bachelor of Business and Administration (Accounting and Finance)

Sep 2013 – Jul 2017

PROGRAMMING PROJECTS (<https://github.com/pralphv>)

[Ensou](#) [GitHub](#)

A Synthesia-like app that plays midi files and visualizes musical notes. Users can create their own synthesizers or use samples to play MIDIs in the tone they want. Effectors such as reverbs and delays are also available.

[Petangle](#) [GitHub](#)

A website created to collect nutrition tables for cat and dog food. A sortable table is provided to help users find the best products.

[Color System Builder](#) [GitHub](#)

A website for building WCAG compliant color systems.

[HK Portfolio Analysis](#) [GitHub](#):

A website that provides portfolio statistics for Hong Kong stocks.

PROFESSIONAL EXPERIENCE

Segantii Capital Management Limited

Front Office Developer

Hong Kong

Jun 2020 – Present

- Developing and maintaining a web app mainly for front office users, and for other departments such as risk management
- Involved in all parts of the stack, including database management, Linux servers, Python Flask Backend and JavaScript React Frontend.
- Tech stack: Microsoft SQL, MongoDB, Redis, Flask, numpy, pandas, React

Bank of America

Quantitative Services Analyst

Hong Kong

Nov 2018 – Jun 2020

- Data analysis, visualization and automation in Python
- Built a web app to replace VBA, cutting execution time from 10 minutes to less than 10 seconds. Tech stack: Pandas, Numpy, Flask, JavaScript
- Built a web notification dashboard to replace a VBA semi-manual process, eliminating 45 minutes of manual time daily. Tech stack: Pandas, Numpy, Flask, JavaScript
- Built a web app for querying security details from multiple APIs for detecting data abnormalities. Tech stack: React, Redux, Pandas, Flask

China Merchants Bank International Securities Limited

Analyst

- Responsible for algorithm trading projects that aimed to increase trading volume and number of active users
- Moved with manager from Shenwan Hongyuan (H.K) Limited

Shenwan Hongyuan (H.K) Limited

Quantitative Researcher Officer

Hong Kong

Sept 2017 – May 2018

- Developed a basket of Futures intra-day quantitative strategies in Multichart for clients to trade

SKILLS & QUALIFICATIONS

Qualifications: Pass in CFA Level 1, Pass in HKSI Type 1

Languages: English, Cantonese, Mandarin, Basic Japanese

Programming: Python (main), C++, JavaScript/Typescript

Backend: Django, Flask, Microsoft SQL, PostgreSQL, MongoDB, Firebase, Redis

Frontend: React