

Ralph Vincent O., Perez

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PROFESSIONAL EXPERIENCE

Segantii Capital Management Limited

Front Office Developer

Hong Kong

Jun 2020 – Present

- Developing and maintaining a web app (React, Python) that provides a platform to create dashboards for non-developers, etc. traders and analysts, enabling teams to have customized dashboards even without developers
- Replaced manual processes and VBA scripts with automated scripts, decreasing runtimes, complexities, errors and maintenance efforts
- Cooperate with traders to create backtesting tools, automated report generation and strategy researching, ultimately used for trading decisions
- Created a monitoring system for system health checks and outage detection

Bank of America

Quantitative Services Analyst

Hong Kong

Nov 2018 – Jun 2020

- Proposed and implemented a web dashboard to replace a VBA semi-manual email process with Python and HTML. Eliminated 15 minutes of manual time, 3 times a day, into a fully automated dashboard that updates in 10 min intervals
- Revamped a product-searching tool from a VBA script to a Python GUI, cutting queries from 10 minutes to less than 10 seconds, ultimately improving client email response time
- Built a web app for querying security details from multiple APIs for detecting data abnormalities

China Merchants Bank International Securities Limited

Analyst

Hong Kong

Jul 2018 – Oct 2018

- Responsible for algorithm trading projects that aimed to increase trading volume

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

PROGRAMMING PROJECTS [GitHub](#)

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

A Synthesia-like app that plays midi files and visualizes musical notes. Users can modify synthesizers or use samples to play MIDI's in the tone they want.

[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.

[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.

SKILLS & QUALIFICATIONS

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

Languages: English, Cantonese, Mandarin, Basic Japanese

Programming: Python, JavaScript/Typescript

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

Frontend: React

EDUCATION

The University of Hong Kong

Bachelor of Business and Administration (Accounting and Finance)

Hong Kong

Sept 2017 – May 2018