

Ralph Vincent O., Perez 周智浩

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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>)

Petangle

GitHub: <https://github.com/pralphv/petangle>

Website: <https://petangle.firebaseio.com/>

A website created to collect nutrition tables for cat and dog food. A sortable table is provided to help users find the best products. Etc. sorting by protein will give products with the highest protein values.

Tech stack: React, Redux, Firebase. Hosted with Firebase.

Sitemap generator

GitHub: https://github.com/pralphv/sitemap_generator

Website: <https://sitemap-generator-heroku.herokuapp.com/>

A website for generating simple sitemaps.

Tech stack: Flask, JavaScript. Hosted with Heroku

Color System Builder

GitHub: https://github.com/pralphv/stripe_color_system_builder

Website: https://pralphv.github.io/stripe_color_system_builder/

A website for building WCAG compliant color systems.

Tech stack: React, Redux. Hosted with Github.

Toy Instagram

GitHub: <https://github.com/pralphv/toy-instagram-frontend>

GitHub: <https://github.com/pralphv/toy-instagram-backend>

Website: <https://toy-instagram-frontend.herokuapp.com/>

A simplified imitation of Instagram.

Tech stack: React, Flask, PostgreSQL. Hosted with Heroku

PROFESSIONAL EXPERIENCE

Bank of America

Quantitative Services Analyst

Hong Kong

Nov 2018 – Present

- Data analysis, visualization and automation in Python
- Built a single page web app to replace VBA used by a front-office team, 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. Increased update frequency from 3 times a day to constantly updating. 3000+ views after launch since August 2019. Used by around 10 users globally. Tech stack: Pandas, Numpy, Flask, JavaScript

China Merchants Bank International Securities Limited

Analyst

Hong Kong

Jul 2018 – Oct 2018

- Responsible for algorithm trading projects that aimed to increase trading volume and number of active users
- Worked with AI companies to incorporate products into brokerage business
- 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
- Monitored daily performance of strategies and provided technical support and services for clients, etc. coding strategies

Invest Bots Limited

Financial Analyst (intern)

Hong Kong

June 2016 - June 2017

- Researched, backtested and built trading strategies using Artificial Intelligence approaches. Tech stack: Pandas, Numpy, Scikit-Learn, Keras

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, MySQL, PostgreSQL, MongoDB, Firebase

Frontend: React (main), Angular