# Hins Guo

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## EDUCATION BACKGROUND

**Oregon State University**                                                                                      Aug. 2021 – Mar.2023
*Bachelor of Science*                                                                                                      Vancouver, BC
- Major in Computer Science
- Relevant courses: Web Development, Discrete Structure in Computer Science

**University of Alberta**                                                                                        Sept. 2015 – June.2019
*Bachelor of Science*                                                                                                       Edmonton, AB
- With specialization in Mathematics and Economic
- Relevant courses: Fundamental of Computer Science I & II, Calculus I & II, Applied Statistics I & II, Linear Algebra I & II, Discrete Math, Graph Theory

## SKILLS

- Technical Skills: **Python3**, **Java**, **JavaScript**, **HTML5**, **CSS3**, **MySQL**, **Git**, **Flask**, **Django**
- Soft Skills: **Trilingual Communicator**(English/Cantonese/Mandarin), **Public Speaker**, **Leader**

## TECHNICAL PROJECTS

**Kwok's Finance**                                                          `              Apr. 2021 – June.2021
                                                                                                                                Richmond,BC

*Technology:* **Flask, HTML, CSS, SQLite, Python, REST framework**

*Summary*: A web application based simulate trading platform allows users to get most updating quotes, market data and graphs of stocks. Users can register accounts and view personal account's investment portfolios and history trade transactions anytime, portfolio detail charts also provide data like average holding price and P/L ratio. It also allows users to buy and sell all US based stocks, ETFs and REITs under real time quote.
- Used **HTML,CSS** for front end. Implementing back-end by **Python**
- Stored user's login, portfolio and transaction history in **SQLite** database
- Utilized the IEX API and Yahoo! Finance API
- Designed test cases and coded testing scripts

**Stock Graph & Data Searcher**                                                                    Aug. 2021 – Sep.2021
                                                                                                                                Richmond,BC

*Technology:* **Flask, HTML, CSS, Python, REST framework, Heroku**

*Summary*: A web application based on Flask framework provides stock information like company's financial data, most recent news and candlestick graph. Users can select the display time period for the graph and to interact with the graph, also the news section was able to redirect the user to the external news page for the news content.
- Used **Pandas** to retrieve requested stock's raw data from Yahoo, and **Bokeh** to plot the candlestick graph.
- Utilize the IEX **API** for the news section
- **Web scraping** real time financial data from Yahoo by using **Beautiful Soup**

## WORK EXPERIENCE

**Financial Advisor**                                                                                             Jan. 2020 – Present
*HSBC Bank of Canada*                                                                                                  Richmond, BC
- Conduct research and update market trend helped retained over 90% of customers
- Evaluate customers financial status, conduct financial plans aim for future goals
- Customize investment portfolio based on market condition and customer's risk tolerance
- Developed investment strategies assisted by using Python and SQL increase the sufficiency and reduce redundancy
- Completing market survey data and cash flow analysis by financial modelling