Thê (Alexander) Quach (he/him)

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TECHNICAL SKILLS

- **Programming Languages:** R, Python, Java, Julia, SQL, HTML*, C++*
- **Statistical Techniques:** Linear Regression, Bootstrapping, Hypothesis testing, A/B Testing
- **Data Analysis:** Data Visualization, Machine Learning
- **Tools:** Git, Jupyter Notebook, Gatsby*
- **MS Office Suite:** Excel, Word, PowerPoint

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA
Vancouver, BC

Bachelor of Science — Expected May 2026

Combined Major in Statistics and Economics; Minor in Data Science
- Cumulative GPA: 79.3%; Dean's List 2021-2022
- Relevant Coursework: Data Science, Computer Science, Finance

UBC SAUDER SCHOOL OF BUSINESS
Vancouver, BC

Master of Management Dual Degree Program — Expected Nov 2026

WORK EXPERIENCE

SOLAIRES ENTREPRISES INC.
Vancouver, BC

Investor Relations Assistant — Sept 2024 – Apr 2025
- Supported the fundraising efforts of the company by conducting research and generating documentation prior to investor meetings.
- Assisted with the required documents by investors.
- Identified, applied, and coordinated participation in pitch events.
- Built connections with the climate venture capital and sustainable energy community.
- Supported the creation and management of company documents for the Data Room.
- Created pitch deck presentations and new relevant slides.
- Conducted research and studies relevant to investors' needs.

INVARTIS CONSULTING
Singapore

Business Operations Analyst — Jun – Aug 2024
- Supported the senior consultants in various teams such as the consulting team, business development, and HR department.
- Identified the consultants' key skills and created a skill-expertise matrix to evaluate potential hires.
- Conducted research on 3 different RFP software to identify the best option for Invartis. Evaluated the differences to enhance efficiency.
- Created a skill-experience matrix to identify the team's strengths and weaknesses to guide future recruitment and create a more well-rounded team.
- Participated in workshops discussing business development.
- Designed a data model in preparation for an asset market analysis.
- Identified key points in the recruitment pipeline and creating a program to streamline the hiring process.
- Researched various asset managers and asset owners to better understand the market and improve the quality of Invartis' client pitches.

GRAFTON APPAREL
Edmonton, AB

Keyholder Sales Associate — May 2019 – Aug 2021
- Acted as a key holder for a Mr. Big and Tall location with average yearly sales of one million dollars. Interacted and assisted customers with styling and fit through tailoring garments.

- Tailored a unique, one-on-one experience for customers by providing advice, fitting guides, and personal recommendations based on each customer's personal preferences.
- Delegated tasks to coworkers to reach daily goals and maintain store cleanliness and organizational standards.
- Managed daily transaction logs, handled money, and performed bank deposits at the end of shifts.

VOLUNTEER EXPERIENCE

UBC RAPID ENGINEERING DESIGN TEAM   **Vancouver, BC**
Finance Team - Outreach, Sponsorships, and Grants   Sept 2024 – Present
- Presented finance updates at weekly meetings
- Searched for grants and wrote grant applications
- Researched potential sponsors and connected with them
- Collaborated with co-captains on refining UBC Rapid's sponsorship package

CUBS VANCOUVER   **Vancouver, BC**
Math Tutor   Sept 2016 – Jul 2021
- Prepared and taught weekly lessons about math to youth in Vancouver's DTES neighbourhood.
- Bonded and interacted with a diverse range of children, catering the lesson to their specific needs and interests.

ROYAL CANADIAN SEA CADET CORPS 27   **Edmonton, AB**
Senior Cadet   Sept 2016 – Jul 2021
- Led groups of junior cadets in training drills and organizes parade nights with other senior cadets and officers. Created a welcoming environment for over 70 cadets by connecting with each cadet's interests.
- Prepared and taught weekly lessons about nautical skills, nautical history, and other militaryrelated topics by designing engaging activities to encourage active learning.
- Organized monthly morale-building events such as sports nights or weekend training by collaborating with other senior cadets.

PROJECTS

HIGH FREQUENCY TRADING STRATEGY   **TBA**
- Using C++, develop an algorithm for high frequency trading.

PERSONAL WEBSITE DEVELOPMENT   **Aug 2024 - Present**
- Set up personal website built with Hugo Blox, hosted by Netlify.

EYE CLASSIFICATION   **Sept 2023 - Present**
- Image classification using a neural network.
- Validated model on training set.
- Performed hyperparameter optimization to improve model performance.

CREDIT CARD DEFAULT INFERENCE   **Nov 2023**
- Cleaned and Wrangled data from the "default of credit card" dataset.
- Tested the hypothesis that education level influenced the likelihood of default.
- Used both asymptotic methods and bootstrapping to obtain the test statistic and confidence interval to determine if there was a significant effect.

MUSIC LIBRARY PROGRAMMING   **Jan - Apr 2023**
- Created a music organizing library in Java using OOP with ability to add songs and make playlists.
- Implemented data persistence using by writing and reading JSON files.
- Tested methods using JUnit tests and created a GUI using the Java Swing library.

MISCELLANEOUS MACHINE LEARNING PROJECTS   **Jul 2022 - Present**

- Worked with various machine learning models including k-NN's, linear models, NLP, time series, logistic regression, ensembles, etc.

EXTRACURRICULARS

LEARN PYTHON PROGRAMMING MASTERCLASS   **May 2023 – Present**

Online course on Udemy teaching the fundamentals of Python. Using IntelliJ, learning the fundamentals of object-oriented programming in Python. With key units such as control flow, functions, and working with different data types in Python.

SQL TUTORIALS   **Jul 2023 – May 2024**

Learning the basics of SQL using free online sources such as Mimo and freeCodeCamp.org. Areas of interest including types of databases and database management and querying data using SQL.

CFA LEVEL I PREP COURSE   **Jul 2023 – Present**

Preparation for taking the Level 1 CFA exam. Improving my knowledge of financial topics such as Ethics, Quantitative Methods, Financial Reporting and Analysis and Portfolio Management.

ADDITIONAL

Certifications & Training: Asset Management Level 3 Certification, Intuition KHX