

SKILLS

C | C++ | Java | Python | SAS | SQL | R | MATLAB | Excel

TECHNICAL PROJECTS

Portfolio Optimizer

Aug 2021 – Present

- Constructing a portfolio Optimizer using Python with the objective of maximizing return per unit of risk
- For any given portfolio of stocks or ETFs, the optimizer seeks the optimal weight arrangement that maximize the risk return objective

Image Modifier

May 2021 – Jun 2021

- Built an image modifier using C++, which utilized doubly linked list structure to manipulate blocks of pixels from an image
- Utilized tree structure and pair container in C++ to split an image

Stock Watch List Desktop App

Jan 2021 – Apr 2021

- Designed a stock watchlist using Java to provide users various functionality such as adding and removing stocks, and verify stocks; displayed the watchlist GUI using Java Swing
 - Added functionality to save a watchlist to file. When restarting the app, users are given the option to reload the watchlist where left off last time
 - Did extensive JUnit testing to ensure complete code coverage and debugging using IntelliJ to fix issues
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PROFESSIONAL EXPERIENCE

Investment Analyst, Midland Group of Companies. Toronto, Ontario.

Mar 2019 – Aug 2020

- Developed a wide range of financial reports, such as performance analysis, risk/return matrix, asset allocation reports, to help stakeholders for decision making
- Prepared timely investment commentary and performance reports with high degree of accuracy and quality, as well as automating repetitive calculations to improve efficiency

Associate Analyst, NORSKI 1 PTE. LTD. Kuala Lumpur, Malaysia.

Aug – Dec 2018

- Created a recruiting cost calculator that computes hiring cost through VISA type, taxation, and other variables to effectively improve overall recruiting process
 - Prepared financial statements, forecasting model, and investors report that helped raise 180,000 SGD
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EDUCATION

Bachelor of Computer Science

2020 – 2022

University of British Columbia, BCS

- Key Course work in Software Construction, Data Structure & Algorithm, Statistics, and Machine Learning.

Bachelor of Commerce (4th year Annual GPA: 3.77)

2014 - 2018

University of Toronto, Finance

Level II Candidate in CFA Program

SAS Base Certificate

INTERESTS

Problem Solving | Scuba Diving | Aerial Yoga | Investment Analysis | Mandarin | Japanese