

CONTACT

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🔗 andycyao

EDUCATION

Simon Fraser University
B.Sc Computer Science 2018
GPA 3.45 / 4.33
Burnaby, BC

Queen's University
BA Economics 2012
Kingston, ON

SKILLS

LANGUAGES: C++, C#, Python, SQL, VBA

OS: WIndow, Mac, Linux

SOFTWARE / IDE: Visual Studio, Sublime Text, Terminal, git / SVN

EMPLOYMENT

RBC Capital Markets Toronto, ON
Technical Systems Analyst Co-op May 2017 to Aug 2017

- Implemented continuous integration, continuous development (CICD) using Jenkins to automated software deployment
- Prototyped an algorithm recommendation system for recommending articles to clients
- Created / modified SQL Server stored procedures for business analyst and QA
- Extract, Transform, Load (ETL) using SSIS tool to provide data for other business units

Amec Foster Wheeler Vancouver, Canada
Application Developer May 2017 to Current

- Created Access database for automation through VBA, improved report accuracy and reduce time of making reports from 4 hrs. to 1 hr. Increased the team's productivity.

Engineer Cost Controller May 2013 to Sep 2016

- Monitored financial status of multiple engineering, procurement, and construction projects
- Prepared project status and financial reports for company's project managers

PROJECTS

Shopping Recommender May 2017 to Aug 2017

- Developed a recommender system using implicit dataset, based on collaborative filtering techniques.
- Built using pandas, numpy, scikit-learn
- Deployed using Python Flask, jQuery, and Apache

Python client for StockFighter Jan 2016 to Jun 2016

- Implemented a python client to connect with the game's REST API and websocket
- Created market makers bots, using data collected to automate buying / selling positions
- Generated charts using matplotlib and panda to visualize market data