

Andy Yao

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 www.github.com/AndyCYao

TECHNICAL SKILLS:

Languages - C++, SQL, C#, SQL, Python, VBA, HTML, CSS

OS - Window, Mac, Linux platforms

Software / IDE - Visual Studio, Sublime text / Terminal, git, SVN

PERSONAL PROJECTS:

Shopping Recommender Using Purchase History

May 2017 – Aug 2017

www.andy-yao.com/recommender

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

Python client for Stockfighter

Jan 2016 – Jun 2016

Stockfighter.io is a programming game simulating stock markets and high frequency trading

- 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

WORK EXPERIENCE

Technical Systems Analyst (Co-Op)

May 2017- Aug 2017

Royal Bank of Canada – Capital Markets, Toronto ON

- Implemented continuous integration 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

Application Developer

May 2013- Present

Amec Foster Wheeler, Vancouver BC

- Created Access database for automation through VBA, improved report accuracy and speed of production, as a result, increased the team's productivity and billable hours
- Monitored financial status of multiple engineering, procurement, and construction projects
- Prepared project status and financial reports for company's project managers

EDUCATION AND CERTIFICATES:

Bachelor of Science, Computer Science

Sep 2016 – Present

- Simon Fraser University, Burnaby BC
- GPA – 3.45 / 4.33
- Expected graduation Dec 2018

Canadian Securities Course (CSC) - Certificate

Sep 2015

- Canadian Securities Institute

Bachelor of Arts Honors, Economics

Sep 2007–Jun 2012

- Queen's University, Kingston ON