ANDY YAO

Employment

RBC Capital Markets
Toronto, Canada

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

Wood Group
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 Sept. 2016

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

Projects

Blockchain Aviation Challenge
Aug. 2018 to Sept. 2018

- Created baggage tracking network proof of concept for Lufthansa SAP aviation challenge
- Technology used, Docker, Hyperledger Composer

RestAPI
July 2018 to July 2018

https://github.com/AndyCYao/rest-api

- Developed API endpoints in Python Flask
- Technology used, Docker Containers, mySQL, Python Flask, Postman

Shopping Recommender
May 2017 to Aug. 2017

http://www.andy-yao.com/recommender/

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

PCA Music Genre Classifier
Sept. 2017 to Dec. 2017

- Developed a Python Spark based music genre classifier with a team of three students, using principal component analysis (PCA) techniques
- Created Extract Transform Load pipeline to transform audio files into spectrogram images for analysis
- Created a program that used the spotipy wrapper to access Spotify Web API. The program successfully retrieved the preview urls of the 136,000 songs that were used to build the dataset

Summary

Backend developer experienced in data handling, databases, financial systems. Currently attending Blockchain bootcamp.

Contact

- ✉ andyyao3@gmail.com
- 🌐 www.andy-yao.com
- ☎ 778-848-3986
- 📍 Vancouver, Canada
- ⌨ andycyao

Education

7Gate Blockchain Bootcamp
2018

https://7gate.academy/

Five weeks intensive blockchain bootcamp, covering topics including cryptography, blockchain theories, smart contract designs, decentralized applications

Simon Fraser University
B.Sc Computer Science 2018
GPA 3.4 / 4.33
Burnaby BC, Canada

Queen's University
BA Economics 2012
Kingston ON, Canada

Skills

LANGUAGES: C++, C#, Python, Javascript, Golang, Scheme, Haskell, Solidity
OS: Window, Mac, Linux
TOOLS / IDE: Visual Studio, Sublime Text, Terminal, git / SVN, Vagrant, Postman, Docker, Web3, Hyperledger composer
FRAMEWORKS: ASP.net Core, Flask, Remix, Fabric

Certificates

Canadian Securities Course