Chase Xu

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EDUCATION

UNIVERSITY OF VICTORIA
BSc Major in Computer Science • Co-op
Expected Spring 2021 | Victoria, BC

COURSEWORK

UNDERGRADUATE
Web Development I
Data Mining
Database Systems
Operating Systems
Intro to Artificial Intelligence
Object-oriented Computing
Algorithms and Data Structures I & II
Software Development Method
Intro to Computer Architecture
Numerical Analysis
Music Retrieval Techniques
Computer Communication and Networks
Massive Dataset System

UDEMY
React - The Complete Guide
The Complete JavaScript
Python for Data Science and Machine Learning Bootcamp

SKILLS

PROGRAMMING
Most Experienced
• React • Java • Python • JavaScript • C
• CSS • HTML • PHP • Git
Familiar:
• Scikit-learn • TypeScript • JQuery •
PostgreSQL • Pandas • Dash • SQL •
LaTeX • Redux • Docker

LINKS

Portfolio:// **Chase Xu's Portfolio**
Github:// **chase-xu**
LinkedIn:// **chase-xu**

EXPERIENCE

SURE GRIP CONTROLS | Software Developer
Jan 2021 – May 2021 | Victoria, BC
- Full stack Web app development with Reactjs
- Maintaining old PHP app, and migrate the PHP app to React
- MySQL database Management with Webmin
- Server management with apache and docker
- Local git server hosting

UNIVERSITY OF VICTORIA | Net zero Navigator development
Jan 2020 – May 2020 | Victoria, BC

- Linux environment development using python, Pandas, SQL, geomeppy, and EngergyPlus.
- Add functionalities to and manipulate data in BESOS (Building and Energy Simulation, Optimization and Surrogate-modelling).
- Net-zero navigator web app development and deployment with flask.
- Test and build Neural Networking model that integrated with building model simulation using Scikit-learn.

PROJECT

DATA COMPRESSION | Software development method assignment
Aug 2018 - Dec 2018 | University of Victoria
- Data compression assignment in C, move-to-front and run length coding are used. Each time of compression should not be longer than 15s.

TUTOR ME | A web app for Both Students and Tutors
Sep 2019 - Present
- A single-paged React web app is designated to offer a platform for students and tutors.
- Students can register account using google authentication, and all data is stored in google firebase.

BURGER BUILDER | A Burger Order Web App
Aug 2020 - Present
- Sample here.
- A React web app with Redux that is used for customers to build and make order for their customized burgers.
- The app has functionalities that are customizing burger, calculating prices, checkout summary, and sending orders.
- The app stores and retrieves the data dynamically with google firebase.

MOVIE RECOMMENDATION FILTER | Data Mining Project
May 2020 - Aug 2020 | University of Victoria
- Team with four classmates to build and analyze a movie recommendation system using collaborative filtering algorithm.
- Tow kind of Collaborative filtering algorithm were used: model based and item based. Item based CF was using cosine and Pearson similarity as approaches, and Model based CF was using SVD.