

Chase Xu

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EDUCATION

UNIVERSITY OF VICTORIA

BSc MAJOR IN COMPUTER SCIENCE •
Co-OP
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 EnergyPlus.
- 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

TO DO LIST | A PERSONAL TASKS MANAGEMENT BOARD

May 2021 - Present | University of Victoria

- A personal Kaban board personal to do list.

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 - Dec 2020

- 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.
- Two 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.