Yiyang(Alex) Wang

yiyang.wang.dev@gmail.com | (437) 733 2442 | https://yiyangwang.netlify.app

Summary

2-year industry experience as a full-stack software developer
Familiar with diverse programming languages and tools for software development and algorithm design
Proficient in implementing and maintaining user-centric UI features for business web applications
Adopt proactive approaches to analyzing and delivering technical solutions to business challenges

EDUCATION

University of Alberta — Sep.2016-June.2020
Bachelor of Science with Honors, Computer Science — Edmonton, AB

University of Toronto — Sep.2024-Apr.2026
Master of Engineering, Computer Engineering — Toronto, ON
With Data Analytics & Machine Learning

Code Skills

Programming: Python, C, Java
Front-end: React.js, HTML, CSS, Web Sockets, JavaScript, Ant design
Back-end: JSON, Django, SQLite, REST API, Flask Tools: Github, Firebase, Android Studio, TensorFlow, PyTorch
Implementations: Object Oriented programming, Machine Learning, Neural Networks, Naive Bayes, Logistic Regression, Neural Net, Q-learning
Others: test tool: WebDriver. Teamwork, presentation

WORK EXPERIENCES

Huawei — Jul. 2019–Aug. 2019
Research Workshop — Shenzhen, China
Implemented practical machine learning algorithms to analyze the cloud virtualization results.
Gained extensive knowledge of the diverse research at Huawei 2012 Laboratories.
Cooperated with the researchers and students to complete assigned tasks.

University of Toronto — Sep. 2024–Current
Tutorial Teaching Assistant, Software Design — Toronto, Canada
Lead tutorials on software design concepts, including OOP, Java, Git, and API usage.
Guide students in applying SOLID principles.
Facilitate effective group work through version control and code reviews.
Assist students in writing professional, maintainable code with testing and refactoring.

PROJECT WORK

Waste Transfer System — May.2021–Sep.2021
Designed a social network Android application based on Android Studio
- Implemented a waste management system with Python and MySQL, added a front-end web page to promote users' experience.
- Improved the design after graduation from the UofA with React JS and Ant Design.
- **https://waste-management-system.vercel.app/login.**
- user1, password: 34725, Role: account manager | user3, password: 57135, Role: supervisor
- user5, password: 83193, Role: dispatcher | user9,, password: 17253, Role: Driver

Cloud Align, *Dr. Abram Hindle* — Jan. 2020–Apr. 2020
Designing the Social Network Platform with an API
- Built a front-end UI in react JavaScript to present viewable and functional pages, a user-centric distributed web application
- Utilized python3 to design a backend structure and store the data, developed a script program that can auto register and login.
- Designed a java program to test the web function based on WebDriver, improve usability and latency.
- Allow importing of other sources of posts and content, users can write posts and comment the posts of their friends.
- https://cloud-align-app.herokuapp.com/ Account: pal, password: 123456

MentaLand, *Dr. Kong Wong*
Designed a social network Android application based on Android Studio — Sep. 2019–Dec. 2019
- Performed unit testing, functional testing, and integration testing for the android app.
- Designed UI to engage the users, using java program to achieve the function of posting, tracking and sharing data.