

Yiyang (Alex) Wang

ydev.wang@mail.utoronto.ca | (473) 733-2442

SUMMARY

2 year industry experience as a full-stack software developer

Familiar with various programming languages and tools for software

Designing the Social Network Platform with an API

- Built a front-end UI in react JavaScript to present viewable and functional pages.
- Designed a user-centric distributed web application for social networking purposes.
- Utilized python3 to design a backend structure and store the data collected from user to API.
- Developed a script program that can auto register and login.
- Designed a java program to test the web function based on Webdriver.
- Cooperated with back-end developers to improve usability and latency.
- This blogging network platform will 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

Background Subtraction with RGBD Course project, Dr. Anup Basu

Jan. 2020 – Apr. 2020

Performing a model that can retrieve the main information from a video sequence via PMC and RGBD data

- Utilized training model to Simulate the human vision to detect motion in a video sequence.
- Used neural networks of deep learning to dynamically adapting to background change.
- Designed a MATLAB program to extract the motion map between each frame of the video and combine them.
- Used PCA and optical flow to improve the output.

MentaLand Course project, Dr. Ken Wong

Sep. 2019 – Dec. 2019

Designed a social network Android application based on Android Studio

- Performed unit testing, functional testing, and integration testing for the android app.
- Used firebase to store the user data and using java program to achieve the function of posting, tracking and sharing data.
- Designed a customer-centered UI to engage the users.

Waste Transfer System Course project, Dr. Jörg Sander

Jan. 2018 – Apr. 2018

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

SCHOLARSHIPS

International Student Scholarship - 2nd Renewal

2018 – 2019

University of Alberta Undergraduate Scholarship (International)

2017 – 2018

International Student Scholarship - 1st Renewal

2017 – 2018

International Student Scholarship

2016 – 2017

University of Alberta China First Year Excellence Scholarship

2016 – 2017

Faculty of Science Academic Excellence Scholarship

2016 – 2017