Yi Wei Zhou

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SKILLS

Languages Python · HTML · CSS · JavaScript · C · C++ · SQL · APEX

Libraries/Frameworks React · jQuery · React Native · Redux · REST · Numpy · Pytorch · Matplotlib · OpenCV · Pygame

Tools Git · VSCode · Bash · Salesforce · Android Studio · Jira · BitBucket

ACHIEVEMENTS/POSITIONS

Sep 2020 Capital One Mentorship Program (ends April 2021)

Sep 2020 Grace Hopper Conference *Sponsored Student Embassador*

Feb 2020 **Google Hash Code Competition Top 30 in Canada**

Feb 2018 Education Computing Organization of Ontario Competition 2nd in Central Region

EXPERIENCE

Newtopia | Junior Fullstack/Mobile Developer
Apr 2020 – Present

- Developed unsaved warnings feature using **Apex (Java based code)**, **JavaScript**, and **HTML** to protect clients from losing data
- Integrated client exit procedure, using **SQL** to query its employees and update its status, Apex to create a batch job, and **HTTP callouts** to unsubscribe Fitbits
- Constructed GET and POST **Restful APIs** with over 12k users where they can automatically complete workout goals through fitbit and App Health as well as view their goals on the mobile app
- Created mobile app pages using **React Native** and **Android Studio,** where user's health journey information are saved through **Redux** reducers. This allows previous and next states to be synced with actions so that the information can be used throughout the application.

Does Software Inc | Junior Front End Developer
Apr 2019 – Jul 2019

- Handled client-side interaction with **HTML**, **CSS**, **jQuery** and **Angular** to support searching for merchandise, adding items to the shopping bag and viewing products through a responsive slideshow that implements partial page updates
- Implemented fade, slide, and delay animations using **CSS transitions** and **jQuery effects** for a smooth and intuitive experience for users

Aurora Programming Club | Director of Programming
Sep 2018 – May 2019

- Taught students **Python** and object oriented programing raising student scores by 60% for the Canadian Computing Contest and Education Computing Organization of Ontario after 1 year of teaching.

Southlake Regional Health Center | IT Intern
Sep 2017 – Feb 2018

- Automated workflow application forms throughout the entire hospital with **Python** and SRHC's unique scripting language

PROJECTS

Orderio | JavaScript, ReactJS, NodeJS, HTML, CSS
Jul 2020 – Present

- Mobile ordering web app that allows customers to scan a QR code on the table and order from their own phones.
- Created a safer alternative to ordering during Covid by reducing customer wait times by 15 minutes and staff walking times by 20%
- Partnering with SalesPlus POS, a local startup with 20+ restaurant clients.

FocusPocus | JavaScript, Python, Pytorch, TorchText, Matplotlib
Jun 2020 – Present

- Utilized Pytorch with text classification datasets in TorchText to interpret and sort browsing content into categories for user reviews
- Created a dashboard for users to view graphs and reports on their productivity and discover key distractions

Smart Mirror | Python, OpenCV, React
Sep 2019 – Dec 2019

- Integrated facial recognition authentication using OpenCV library in Python to log into the mirror
- Built widgets including calendar, camera, and Spotify using React JS and REST APIs

Badminton Tryout System | Python, Numpy, Pygame
Dec 2018 – Feb 2019

- Utilized object oriented programming to construct a breadth first search athlete-ranking algorithm based on 3 matches using a many-to-many data model that also allowed players to view their profile and match history
- Tested on Aurora Highschool with 100+ users and sped up the original tryout process by 300% due to less games required, easy tracking, and automated ranking

EDUCATION

University of Waterloo | Software Engineering
2019 – 2024

3.8 cGPA · Term Dean's Honour List · President's Scholarship of Distinction · GHC 2020 Cohort

Relevant Courses: Algorithms, Data Structure, Linear Algebra, Digital Circuits and Systems

Current Courses: Foundations of Sequential Programs, Digital Computers, Natural Language Processing Specialization (Coursera)