



YILUN HUANG

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Technical Skills

- **Language:** JavaScript (ES5/ES6), Python, C/C++, CSS, HTML5, DAX
- **Framework:** React, Vue
- **Platform:** AWS, Firebase
- **Software Application:** JIRA, Power BI, Visual Studio Code, TestRail, Office 365
- **Version Control:** Git
- **Operating System:** Ubuntu, MacOS, Windows 10

Transferable Skills

- Good **communication** and **team management** skills by tutoring more than five children in one class session
- Strong **problem solving** and **analyzing skills** developed from solving children's difficulties in their class projects
- Inherent sense of **curiosity** for new technology
- **Critical thought** and **rational enquiry** when facing problems
- Great **analytical ability** and an excellent **thinking ability**

Education

Simon Fraser University | 8888 University Dr, Burnaby, BC V5A 1S6

Bachelor of Science in Computing Science

Expected in 08/2021

Working Experience

Finger Food Advanced Technology Group | Coquitlam, British Columbia

Quality Assurance Analyst Co-op

01/2020 – 05/2020

- Worked closely with team members to **deliver project requirements**, develop solutions and meet deadlines
- Designed and updated **test cases** to complete **consistent manual tests**
- **Analyzed** project requirements to find **bugs** and eliminate **issues**
- Assessed and tested **software builds** across different platform to uncover bugs and assisted in finding resolutions
- Produced **test scripts** for automated testing for new software
- Creating visualized and interact-able report using **Power BI** with **DAX** language and creating **Python** automated **script** for HR team to complete further analyst and resolve issues
- Managed onsite testing for **customers** as required by project's specifications

RoboKids Learning Center | Coquitlam, British Columbia

Teacher Assistant

09/2018 – Current

- Determine student's unique needs and identify best methods to address each
- Apply computing science learning techniques to help students master **Java**, **Python** and **Scratch**
- Held online learning classroom using **Zoom** during quarantine

WeChat E-Shop | ReactJS, ExpressJS
June 2020

- Communicate with the **client** to understand the requirement of the website, gained experience in project planning, involved in writing Project Design Document and Project Plan Document
- Worked on a waterfall Development Team to deliver a fully customized H5 e-shop on **WeChat** APP
- Designed web pages using **HTML5, CSS3, JavaScript, React.js, Rematch/Redux**
- Involved designing the server-side web page using **PUG, Express.js, MongoDB, Alibaba Cloud Server**
- Involved in **RESTful** web services to integrate between **Server side to Client Side**
- Involved in write application level code to interact with **APIs, Web Services** using **Axios, JSON**
- Responsible to **Style, look, feel** of the **web page** with **CSS** and to user **interaction** using **JSX**
- Maintained states in the stores and dispatched the actions using **rematch/redux**
- Have worked on **Alibaba Cloud Server** to integrate the **server side** and **client side** code

Coronavirus Disease Website | JavaScript, Python

<https://github.com/OkeyDokeyYooo/react-coronavirus>

Full-stack website (<https://covid19.hackhub.cn>)

March 2020

- Designed the interface and UI of Real-time capture and update website using **React, Material-UI, ReactStrap, Amchart** for the data visualization and viewing latest news about COVID-19
- Implemented **ReactJS** code to handle cross platform adaptation
- Built the quick response and accurate data processing back-end using **NodeJS, ExpressJS, Mongoose, Cors** for handling incoming requests and generate and send responses back to front-end, database and Python crawler, using **RESTful** state transfer for dealing API calls
- Created an effective Python web crawler using **Python** and **BeautifulSoup** for extracting newest information for data analysis and updating database in real-time
- Deployed static web page and cloud sever to **AWS** using **Proxy, PM2, CronTab** for real-time data extracting and updating, making permanent data communication between front-end and back-end, and for those group of people who want to get newest information anytime and anywhere
- Recorded changes and updated Scrum board to the website using **Git** to keep track of contribution and organization purposes, held face to face and virtual meetings with the group to decrease communication misunderstandings to increase productive work
- Tested the website's features on across different platform to further improve the usability and reliability

Academic Projects

VanEat | ReactJS, ExpressJS

<https://csil-git1.cs.surrey.sfu.ca/yha150/cmpt470-vaneat-group13>

CMPT 470 WEB-BASED INFORMATION SYSTEMS, SFU

July - August 2020

- Designed the interface and UI of crowd-sourced local restaurants review and social networking website using **ReactJS, Material-UI, Redux**
- Created a backend MVC framework using **ExpressJS, Mongoose, PassportJS** for admin user updating new local restaurants to database, handle requests from front-end and both admins and user's authentication

Green Food Challenge Android Application | Java

<https://github.com/OkeyDokeyYooo/GreenFoodChallenge>

CMPT276 INTRO TO SOFTWARE ENGINEER, SFU

SEPTEMBER - DECEMBER 2018

- Acted as the role of the **product owner** in an Agile Scrum workflow
- Followed the **Agile** process with 3-week sprints followed by meetings in between
- Developed an Android application to calculate the reduction in CO2 emissions from changes in diet, and recommend users to make CO2 reduction pledges and share their green meals and comments in the community
- Created the application using **Android Studios** and **SDK** tools for building pages step by step
- Used **Firebase** software development platform for could database of storing user information, user shared photos and comments, authentication, and real-time data analysis