

Kaiyu Hu M.Eng. Software Engineering Student, Western University

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Education

M.Eng. Software Engineering in Electrical and Computer department 09/2022 – 08/2024
Graduate Diploma in Engineering Leadership and Innovation
Western University | London, ON, Canada

- Courses completed include:
Web Application Develop, Data Management & Application, Game Design
Design Driven Innovation, Engineering Leadership, New Venture Creation
- Contributed to a research program, see descriptions below

Bachelor of Software Engineering 09/2017 – 06/2021
Beihang University | Beijing, China

- Top-ranked Software Engineering program in China
- Courses completed include:
Advanced Algebra, Mathematical Analysis, Discrete Mathematics
Algorithm Analysis and Design, Compiler Construction Principles and Practice, Object Oriented Programming(Java)
- Project:
Expert Resource Advanced Search Platform: A search engine that facilitates user access to expert resources based on tech stacks including Vue.js, SpringBoot, Nginx, MySQL
Beihang University Forum: A discussion platform similar to reddit sharing the same tech stacks as previous project
Flight Shooting Game: A vertically scrolling shooter video game based on Pygame library
- Extracurricular:
Bodybuilding Association: Being vice president for 2 years and help students who are enthusiastic about weightlifting and bodybuilding
Animals Caring Association: Feeding and rescuing stray cats and dogs

Relevant Experience

Web Developer 01/2023 – 05/2023
Western University Research | London, ON, Canada

- Supervised by:
Dr. Mi Song Kim, Associate Professor in Curriculum Studies and Studies in Applied Linguistics
Dr. Jagath Samarabandu, Professor in Artificial Intelligence, Machine Learning, Image Analysis and Cyber Security
- Led the development of web and mobile applications Transmittal which allow users to upload PDF files and generate visually appealing data visualizations for researchers specifically in Applied Linguistics and Education area
- Took charge of entire front-end aspect of the project, including stakeholders consultation, needs assessment, project management and deliverables, coordinating with a colleague in charge of the back-end procedures
- Utilized React and relevant frameworks for web development, as well as React Native for mobile application development
- Deployed project proficiently using AWS
- Completed the project and presented demonstration for evaluation in course ECE 9000 M.Eng. Project

Front End Engineer 07/2021 – 01/2022
Baidu | Beijing, China

- A leading Chinese technology company specializing in Internet-related services and artificial intelligence, prominent for its search engine
- Held responsibility for the feed ads platform website that facilitates customers delivering personalized advertising
- Exceeded the requirements that customers can upload various types of advertising materials including text, image, video etc
- Proficient in front end tech stacks including JavaScript, HTML & CSS, React and relevant frameworks
- Had a high code review acceptance of 98% with few bugs occurring
- In the double eleven period (Chinese Black Friday), I identified problem code causing white page issue and resolved it quickly which ensured the smooth progress of a one million CNY expenditure
- Facilitated weekly meetings with API (Application Programming Interface), Algorithm, Advertising materials teams to align target expectations
- Achieved goals on my weekly reports including intime deliverable, new tech learning, cross team communication

Skills

React, JavaScript & ES6, HTML & CSS, Vue.js, Git, Node.js, React Native, UNIX/Linux, MySQL, C/C++, Java, Python, Object-C

Language

English, Mandarin