# Kaiyu Hu

khu227@uwo.ca | London, ON, Canada | (647) 975-5950 | Portfolio://toddhu.com | LinkedIn

## Skills

Frontend: React, Redux, Vue.js, JavaScript, HTML, CSS
Backend: Java, Spring, Spring Boot, MySQL, MyBatis, Redis, Node.js
Version Control: Git
Concepts: Object-Oriented Programming, Agile, REST API

## Work Experience

**Web Developer**                                                                                      **01/2023 – 05/2023**
**Western University | London, ON, Canada | JavaScript, React, React Native, Java, MySQL, AWS**
- 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 and partial backend aspect of the project, including stakeholders consultation, needs assessment, project management and deliverables, coordinating with a colleague in charge of the back-end procedures
- Created responsive, user-friendly and cross-browser compatible website
- Developed an API capable of handling concurrent requests from multiple users
- 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

**Front End Engineer**                                                                                  **07/2021 – 01/2022**
**Baidu | Beijing, China | JavaScript, React, Java, Spring, Spring Boot, MySQL, Redis, MyBatis**
- 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, which generates an annual revenue of 16 billion yuan, facilitating customers in 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 1 million yuan expenditure
- Increased the response speed of two API interfaces by 30%
- 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

## Education

**M.Eng. Software Engineering in Electrical and Computer department**                                    **09/2022 – 12/2023**
**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
- Project:
  - Musical Resource Management System: A modern website for managing and researching musical resources based on React, Node.js and MySQL
- Contributed to a research program

**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)
- Projects:
  - 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