Yutong Gao

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Education

Master of Science, Information Systems   April 2023

Northeastern University, Boston, MA

Courses: Application Engineering Development, Web Design and User Experience Engineering, Program Structure & Algorithms, Data Management and Database Design

Bachelor of Management, Information Management & Information System

Southwestern University of Finance and Economics, Chengdu, China   July 2021

Courses: Object-oriented Programming (Java SE & Java EE), Computer Networks, Information System Analysis and Design

Skill Expertise

Languages: Java, Python, JavaScript, HTML5, CSS3, TypeScript

Web Technologies & Frameworks: React, Redux, Angular, Node.js, Bootstrap, jQuery, AJAX, Spring Boot, Spring MVC

Cloud & Distributed Computing: Docker, Kubernetes

Tools: Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Office

Miscellaneous: Git, Atlassian JIRA

Work Experience

Full Stack Web Developer   Sep 2020 - May 2021

Hwadee Technology Co. Ltd

- Implemented enhancements on REST APIs for an existing web application using **Spring Boot**
- Created user-friendly front-end interfaces utilizing **React**, allowing clients to easily manage assignments and online tests
- Designed and developed the functionality of the system using **Spring Boot** and **MySQL**, resulting in a more efficient information management system
- Worked in a cross-functional team and collaborated with UX/UI team over Figma design of wireframes
- Worked collaboratively with the development teams using Agile methodologies (Atlassian JIRA) to ensure timely delivery of high-quality features
- Led the end-to-end implementation and deployment of the system which helped clients to grade and publish report saving 20 hrs of manual effort weekly

Academic Projects

Insurance Plan Service | *Java, Spring Boot, REST API, Elastic Search, Redis, JWT, JSON*   March 2023

- Built REST APIs in Spring Boot to save, retrieve and manipulate Insurance Plan JSON and tested using Postman
- Saved the data in in-memory database Redis and used Elasticsearch for efficient search of data

Video Streaming Web-App | *React, Node.js, MongoDB, Express (MERN)*   July 2022

- Designed and implemented a full-stack video streaming web application using **Spring MVC**
- Created a responsive user interface with React, utilizing **Sass** and HTML to improve user experience
- Utilized **Heroku** and **Netlify** to deploy the application and ensure seamless deployment and performance
- Integrated external APIs to extend the functionality of the website and provide additional features
- Ensured scalability and maintainability by utilizing best practices in coding and testing, with a focus on modular design and separation of concerns

Child Missing App | *Java, Swing, MySQL*   Dec 2021

- Developed the front-end of a child missing application using Swing and the back-end with **Java**, utilizing the Swing framework for UI design and **MySQL** for database management.
- Implemented login features and various services, including user data submission and global missing reports generation.
- Utilized data visualization tools and Google Maps API to display missing child information and locations in a user-friendly interface.