

Yang Liu

Email: [liuyy917@gmail.com](mailto:liuyy917@gmail.com)

Phone: (438)928-6809

## **SUMMARY**

Master the React frame and Java programming languages, as well as Visual Studio Code and IntelliJ IDEA development software.

## **PROJECT**

### **Natours (Individual Project)**

Winter 2024

- Developed a full-stack travel website called Natours, leveraging HTML, CSS, and JavaScript for the front-end interface and Node.js, Express.js, and Mongoose for the backend.
- Utilized Postman for API testing, and stored data in MongoDB.
- Implemented user-friendly features allowing users to explore detailed information about each travel route, including pricing, addresses, and visually appealing image displays.
- Admin capabilities include adding and deleting tour routes.
- Implemented user account functionality for updating personal information, such as name, email, and password.
- Utilized Visual Studio Code as the primary development tool for efficient coding and debugging.

### **Outdoors Trails (Individual Project)**

Winter 2024

- Developed an engaging outdoor hiking trail introduction project with a focus on maximizing HTML and CSS technologies.
- Employed extensive CSS techniques, including animations, invert effects, and window transformations, to deliver an immersive and interactive user experience.
- Utilized the SASS preprocessor to generate efficient and modular CSS files, incorporating features like nested rules, variables, and mixins for improved code maintainability.
- Successfully presented captivating outdoor hiking routes through eye-catching design and seamless interactivity.

- The project's modular CSS file structure enhances the efficiency of style modifications and maintenance.

### **Patient Information Collecting Platform (Academic Project)**

Concordia University      Winter 2023

- Developed a comprehensive patient information collection platform to facilitate coordination among patients, counselors, and doctors.
- Created a front-end information collection page and package, transmitting data seamlessly to the backend.
- Implemented features allowing counselors to make decisions based on test results, determining whether to schedule appointments with doctors.
- Integrated counselor management functions, including the addition and removal of appointments.
- Collaborated with teammates and organized tasks using the Jira project management system.

### **Smart Agriculture Mobile Application (Senior Project)**

SJSU      Summer 2020 - Spring 2022

- Contributed to the development of a smart agriculture mobile application aimed at enabling farmers to remotely monitor farm environmental conditions.
- Managed and maintained the project website using React and designed the mobile application's user interface with the Figma platform.
- Built the mobile application front-end on Xcode's iPhone simulator using React-Native through Visual Studio Code.
- Established connectivity between the front-end and back-end database through provided APIs.

### **Care Bank System (Academic Project)**

SJSU      Spring 2020

- Developed a care bank system to encourage volunteerism by allowing users to accumulate voluntary hours to fund their old-age care.
- Designed logic diagrams and conceived use cases to ensure effective system functionality.
- Implemented functional classes and methods using IntelliJ, creating a text file as a mock database for local operation.

### **Online Music Album Sales System (Academic Project)**

De Anza College     Spring 2019

- Designed the website UI for an online music album sales system.
- Implemented user interaction functions using Java, simulating real album sales with mock data.

## EDUCATION

Master of Science, Software Engineering..... August 2022 - April 2024

Concordia University, Montreal, QC, Canada

Bachelor of Science, Software Engineering ..... August 2019 - May 2022

San Jose State University, San Jose, CA, USA

Associate of Science, Computer Science ..... September 2016 - July 2019

De Anza College, Cupertino, San Jose, CA, USA

Bachelor of Science, Medical Marketing ..... September 2014 - March 2016

Southern Medical University, Guangzhou, Guangdong, China

## TECHNICAL SKILL

- Front-end Development: React, HTML, CSS, JavaScript, React Native
- Back-end Development: Node.js, Express.js, MongoDB, Monogooes
- Others: Visual Studio Code, Java, Postman, WordPress

## CERTIFICATION

### **Node.js, Express.js, MongoDB & More: The Complete Bootcamp 2024**

- Udemy Certification no: UC-00dc7ba9-beb4-4915-81e6-417d9f9b3edf
- Complete comprehensive Node.js, Express.js, and MongoDB training to master full-stack development skills.

### **Advanced CSS and Sass: Flexbox, Grid, Animations and More!**

- Udemy Certification no: UC-3ed9f6c6-4020-42e0-89c7-5d798760d50f
- Take the advanced CSS and Sass course and learn more about modern front-end technologies, including Flexbox, Grid, and animations.