

Jiaomei (Jamie) Zhou

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, SQL, HTML, CSS

Frameworks and Libraries: React.js, Node.js, Express.js, React Native, Redux, Pandas, NumPy, Matplotlib, Seaborn

Tools: Git, Docker, JUnit, Figma

Databases: MySQL, MongoDB, Firebase, Redis

Development Practices: Agile, RESTful API Development

EXPERIENCE

Software Engineer Intern

Remote

DIYA Research

Jun. 2024 – Present

- Developed and tested full-stack web applications using **TypeScript**, **HTML**, **HTML/CSS**, and **React**.
- Collaborated in an **agile** environment, contributing to sprint planning, stand-ups, and retrospectives.

Teaching Assistant

Vancouver, Canada

Khoury College, Northeastern University

Sep. 2023 – Present

- Assisted in teaching courses such as **Discrete Structures**, **Algorithms** and **C**.
- Used **Docker** to create and manage containerized environments for grading student assignments.
- Developed test scripts, and maintained the autograder system to automate the grading of student assignments.

Data Scientist Intern

Beijing, China

Natural Language Processing Department, Baidu Inc.

Jun. 2020 – Jun. 2021

- Develop, construct, test, and maintain optimal data pipeline architecture.
- Developed and evaluated **machine learning** models for natural language processing tasks using **Python**, **Scikit-learn**, **Pytorch** and other relevant tools and technologies.
- Conducted data preprocessing and analysis using **Pandas** and performed data visualization and exploratory data analysis to uncover trends and insights using **Matplotlib**.

PROJECTS

Habit Buddy Mobile App | *React Native, JavaScript, Firebase, Expo*

Jan. 2024 – Apr. 2024

- Developed a mobile app to help users build and maintain habits through customizable reminders, progress tracking, and motivational insights.
- Utilized **React Native** and **Expo** for cross-platform mobile development, delivering consistent performance on both **iOS** and **Android**.
- Followed **Agile** methodology and integrated Google Maps **API** for location use.
- Implemented real-time data synchronization using **Firebase**, including **CRUD** operations and user authentication.

Recipe Review Website | *JavaScript, MongoDB, Express.js, React.js, Node.js*

Jun. 2023 – Jul. 2023

- Developed a **MERN full-stack** Recipe Review Website that allows intuitive recipe search, review posting, and recipe bookmarking, enhanced user engagement and interaction.
- Implemented user authentication, providing a secure login and profile management system.
- Utilized responsive design and integrated external APIs for a polished, user-friendly experience.
- Achieved efficient data management using **RESTful** Web services and **MongoDB**.

EDUCATION

Northeastern University

Vancouver, Canada

Master of Science in Computer Science, GPA: 4.0/4.0

Jan. 2023 – August. 2024 (expected)

- Relevant Coursework: Object-Oriented Design, Foundations of Software Engineering, Algorithms & Data Structures, Web Development, Mobile Development, Artificial Intelligence, Discrete Structures, Machine Learning

Beijing Normal University

Beijing, China

Master of Arts in Computational Linguistics, GPA: 3.7/4.0

Sep. 2019 – June 2022

Minzu University of China

Beijing, China

Bachelor of Arts, GPA: 3.7/4.0

Sep. 2015 – Jun. 2019