

Jiaomei (Jamie) Zhou

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TECHNICAL SKILLS

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

Frameworks: React.js, Node.js, Express.js, React Native, Springboot, Redux

Tools&Libraries: Git, Docker, JUnit, Figma, Pandas, NumPy, Matplotlib, Seaborn, PowerBI

Databases: MySQL, MongoDB, Firebase, PostgreSQL, Redis

Development Practices: Agile, Scrum, RESTful API Development

EXPERIENCE

Full Stack Data Developer

North Vancouver, Canada

Olympic Industries ULC

Jan. 2025 – Present

- Designed, developed, and maintained an internal **web dashboard** to streamline company operations with traders and other users, utilizing **React**, **HTML5**, **CSS**, and **TypeScript** for the frontend and **Python** with **Flask** for the backend.

Data Scientist Intern

North Vancouver, Canada

Olympic Industries ULC

Sept. 2024 – Dec. 2024

- Developed a **full stack** web-based inventory management system using **Flask**, **React.js**, **TypeScript**, and **MSSQL**, replacing PowerBI workflows. Enhanced data accuracy and eliminated manual update efforts.
- Developed interactive dashboards and visualizations using **Matplotlib** and **Seaborn** to uncover insights into inventory trends and pricing changes to empower the trading team with data-driven decision-making.
- Designed and optimized scalable **ETL** pipelines using **Python**, integrating **APIs** for dynamic data ingestion. Leveraged **Pandas** and **NumPy** for advanced data manipulation and ensured efficient, accurate data storage in **Microsoft SQL Server**, enabling real-time updates and reducing data processing latency.

Software Engineer Intern

Remote, Canada

DIYA Research Inc.

Jun. 2024 – Aug. 2024

- Developed and tested a comprehensive web portal for tuition fee payments and account management, leveraging **Stripe API**, **JavaScript**, **Java**, **HTML/CSS**, **React**, and **Spring Boot**.
- Architected and implemented a robust database schema and payment methods, including a monthly pay feature, utilizing **PostgreSQL** for efficient data storage and retrieval.
- Collaborated within an **Agile** and **Scrum** environment, contributing to sprint planning, daily stand-ups, and retrospectives to ensure timely and efficient project delivery.

Teaching Assistant

Vancouver, Canada

Khoury College, Northeastern University

Sep. 2023 – Present

- Assisted in teaching courses such as **Gen AI**, **Algorithms** and **C**.
- Used **Docker** to create and manage containerized environments for grading student assignments.
- Wrote 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

PROJECTS

Wildfire Spread Modeling | *Python, PyTorch, GCP, TensorFlow, Keras*

May. 2024 – Aug. 2024

- Developed and optimized deep learning models such as MobileNet, UNet, and TransUNet to perform predictive analysis on large-scale datasets.
- Engineered data pipelines using **Google Cloud Platform** for efficient data collection and preprocessing.

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**.

EDUCATION

Northeastern University

Vancouver, Canada

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

Jan. 2023 – Aug. 2024

- Relevant Coursework: Object-Oriented Design, 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 – Jun. 2022

Minzu University of China

Beijing, China

Bachelor of Arts in Chinese Language, GPA: 3.7/4.0

Sep. 2015 – Jun. 2019