

Jamie Yue *(They/Them)*

Seattle, Washington, USA | 949-508-5615 | yue.ha@northeastern.edu
github.com/HanningYue | linkedin.com/in/jamieyue0508 | portfolio.example.com

Summary

Current MSCS graduate student in Seattle with expertise in MERN stack, microservices architecture, and test-driven development (TDD). Proficient in Java, JavaScript, and TypeScript, with hands-on experience in deploying scalable applications using Kubernetes and Docker. Skilled in improving system performance and reliability using Redis and RocketMQ. Seeking a 2025 summer internship to expand my software engineering expertise.

Education

Northeastern University - Seattle

M.S. in Computer Science

Selected Coursework: Distributed Systems, Software Engineering

09/2024 – 06/2026

Seattle, WA

University of California San Diego

B.S. in Mathematics and Computer Science

Selected Coursework: Data Structures, Operating Systems, Computer Networks

09/2020 – 06/2024

San Diego, CA

Technical Skills

Programming Languages: Java (JDK 11+), JavaScript (ES6+), TypeScript (3.9+), HTML, CSS (SASS)

Frameworks and Tools: MERN (MongoDB, Express, React, Next.js), Kubernetes, Docker, RocketMQ, NATS

Databases: PostgreSQL, Redis, SQL

Experience

Software Engineer Intern

SkillUp

06/2024 – 09/2024

Seattle, WA

- Planned and executed the "Limited Time Discount & Buy Now" feature, integrating Redis and RocketMQ into the MySQL architecture, increasing throughput by 10x.
- Split the order service into discount and order microservices following Domain-Driven Design (DDD) principles. Developed unit tests using JUnit and Mockito, raising test coverage from 60% to 85%.
- Improved system efficiency by 300% through peak-load shifting and asynchronous order creation with RocketMQ. Optimized the optimistic locking mechanism for MySQL database updates, enhancing inventory throughput at 300 TPS.

Selected Projects

Ticketing Platform github.com/HanningYue/microservice-ticketing

TypeScript, Kubernetes, Docker, NATS

- Developed a 5-module microservices ticketing platform containerized with Kubernetes and Docker.
- Enhanced system scalability and ensured data consistency via event-driven communication with NATS.
- Improved page load times by 35% and SEO with Server-Side Rendering (SSR) using Node.js and React.
- Reduced deployment time by 40% and minimized downtime by 20% using load balancer Ingress NGINX.

Threads_Clone threads-three-umber.vercel.app/

React, Next.js, MongoDB, Express

- Developed a full-stack social media application replicating Threads, featuring authentication, photo sharing, real-time notifications, and comment interactions.
- Reduced query times by 41% through MongoDB optimization using indexes and pagination.
- Decreased content risk by 75% using a Deterministic Finite Automaton (DFA) algorithm for sensitive word filtering.
- Streamlined CI/CD processes, reducing release times by 35% with GitHub Actions.

Ominifood ominifood-jamieyue.netlify.app

HTML5, CSS, Flexbox, CSS Grid

- Built a fully responsive, front-end-only food subscription website using HTML5 and CSS, incorporating Flexbox and CSS Grid for optimized performance across various devices.