

Jiajun Zheng

Boston, MA | (857) 398-7754 | zheng.jiaju@northeastern.edu | [LinkedIn](#) | [GitHub](#)

EDUCATION

Northeastern University GPA: 4.0/4.0 (Current)
Master of Science in Software Engineering Systems

Boston, MA

Expected June 2026

Shijiazhuang Tiedao University

Shijiazhuang, Hebei, China

Bachelor of Engineering in Computer Science and Technology

Sep.2020-Jun.2024

SKILLS

- Programming Languages: **Java**, **Typescript**, **SQL**
- Frameworks: **Spring Boot**, **Spring Security**, Mybatis, **Hibernate**, JUnit, JMeter, **React**, Node.js
- Tools: **Maven**, Gradle, **MongoDB**, Redis, RabbitMQ, Elasticsearch, MinIO, **MySQL**, PostgreSQL, Docker, **Git**
- Languages: English (Proficient), Mandarin (Native), Cantonese (Native)

EXPERIENCE

LinkCM Technologies Co., Ltd

Aug.2023-Sep.2023

Software Development Intern

Guangzhou, Guangdong, China

- Developed a “real-time population distribution” map using **Vue CLI**, seamlessly integrating CRUD operations to dynamically display up-to-date movement data and provide instant insights.
- Improved user experience by optimizing layout and responsiveness, ensuring seamless component alignment.
- Achieved 95% task completion within deadlines, significantly enhancing front-end performance while actively supporting back-end integration efforts to streamline overall development processes.

Huawei Technologies Co., Ltd

Sep.2023-Oct.2023

Trainee (Shijiazhuang Public Training Base)

Shijiazhuang, Hebei, China

- Set up a **Harmony OS** development environment, analyzing system requirements and resolving configuration challenges.
- Developed 11 application modules, including a “Milk Tea” membership points system, utilizing OOP principles in Java.
- Validated module integration through rigorous testing, earning Huawei Harmony OS Software Development Certification.

Guangzhou Urban Planning Survey and Design Research Institute

Jul.2022-Aug.2022

Software Development Intern

Guangzhou, Guangdong, China

- Integrated Attribute-Based Access Control (ABAC) within a **Spring Security** + **OAuth2** microservices platform, unifying user authentication and authorization under a flexible policy model.
- Implemented robust and fine-grained access control rules by carefully mapping user roles and attributes, ensuring strict resource-level access checks are enforced.
- Enhanced the platform’s security by diligently configuring comprehensive role-based and attribute-based policies, effectively preventing unauthorized access and improving regulatory compliance.
- Improved security audit coverage to 95% through meticulous role and attribute mapping.

PROJECTS

Online Order: A Spring Boot based online food ordering web application

January 2025-March 2025

Lead Developer and Designer

Boston, MA

- Developed **CRUD REST APIs** using Spring Controllers, encompassing functionalities such as registration, menu searching, ordering, and checkout.
- Leveraged **Spring Data JDB**C and repositories to interface with a PostgreSQL database hosted on AWS RDS, handling data related to menus, restaurants, and more.
- Implemented application authentication via **Spring Security**, employing session-based authentication mechanisms.
- Architected the project with a clear separation of concerns into controller, service, and repository layers, utilizing dependency injection for enhanced maintainability.
- Constructed the frontend using **ReactJS** and Ant Design, providing users with the ability to seamlessly add items to their shopping cart and place orders.
- Containerized the build and pushed image to **AWS ECR**, successfully deployed it to AWS App Runner for streamlined scalability and accessibility.

SocialAI: an AI based Social Network

September 2024-December 2025

Lead Developer and Designer

Boston, MA

Frontend

- Designed and implemented a social network web application with React JS.
- Used **OpenAI's Dall-E 3** to assist users to create and update posts.
- Improved the authentication using token based registration/login/logout flow with **React Router v4** and server-side user authentication with **JWT**.

Backend

- Launched a scalable web service in **Go** to handle posts and deployed to **Google Cloud** (Google App Engine).
- Used ElasticSearch (deployed to GCE) to provide search functions such that users can search recent posts and list personal posts.