

Rui(Ray) Lu

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Education

Northeastern University | Seattle, WA

2023.01 - 2025.05

Master of Science in Computer Software Engineering

GPA: 3.94

- Relevant Courses: Application Modeling and Design(Java), Introduction to Python, Application Engineering and Development(Java), Web Design and User Experience Engineering, Program Structure and Algorithms, Web Development Tools and Methods.
- Certifications: [AWS Certified Cloud Practitioner](#)

Technical Skills

- Languages: Java, JavaScript, Python, HTML5, CSS3, SQL.
- Libraries and Frameworks: React, Spring Boot, Node.js, Express.js, Redux, Tailwind CSS, Java Swing.
- Tools: Git, GitHub, MongoDB, MySQL, AWS.

Projects

UniRentFinder Website -- Full Stack MERN (MongoDB, Express.js, React.js, Node.js) Web Application

[REPO](#)

- Implemented advanced authentication with **JWT**, Firebase, and Google OAuth for enhanced security.
- Utilized **Redux** for state management, ensuring consistency and efficiency in component states.
- Built a user-friendly interface using **React** and styled with **Tailwind** CSS, emphasizing responsive design and accessibility.
- Enabled real-time CRUD operations using **RESTful** API with **JSON** data format, ensuring efficient and secure interaction.

Portfolio Website -- React + Vite Single Page Application

[REPO](#)

- Developed a visually appealing personal portfolio site using **React** and **Vite**, ensuring seamless navigation and responsive design.
- Maintained organized and semantically descriptive **CSS**, following best practices for readability and maintainability.
- Ensured accessibility standards and legal compliance by providing detailed credits for local assets and external images.

National Vaccine Distribution System -- Java Desktop Application

[REPO](#)

- Created an ecosystem supporting multi-organization, multi-role, and multi-account login for seamless operations.
- Utilized hierarchical structure to ensure efficient transfer of work requests within and across organizations.
- Employed **Object-Oriented Programming** (OOP) principles for robust system design and implementation.
- Created the user interface using **Java Swing** to provide a user-friendly experience.

Experience

Product Manager

2021.06 - 2022.12

Jiangsu Jiangnan Rural Commercial Bank Co., Ltd.

Changzhou, China

- Managed software development lifecycle (**SDLC**) within an **agile** team in the role of a Product Owner.
- Delivered a credit management platform reconstruction project with 100+ team members, achieving a 50% reduction in manual work and an increase of 60% in productivity.
- Translated business requirements into user stories and UI/UX by collaborating with cross-functional teams.
- Optimized user experience by ideating solutions for pain points and researching user needs.
- Tested and debugged features with the QA team to troubleshoot issues, ensuring the delivery of high-quality software.