

Shaoming Li

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Availability: May – September 2024

EDUCATION

Northeastern University, Boston, MA Expected May 2025
Master of Science, Major: Computer Science GPA: 3.9
Related Courses: Algorithms, Object-Oriented Design, Database Management, Web Development.

Temple University, Philadelphia, PA Aug. 2019 – Dec. 2021
Bachelor of Business Administration, GPA: 3.7
Related Courses: Risk Management, Information Systems, Intermediate Statistics.

TECHNICAL SKILLS

- Programming Language: Java, C/C++, JavaScript, Python, SQL, HTML5/CSS.
- Development Tools: Git, AWS, MySQL Workbench, Postman, Render
- Technologies/Frameworks: React, Redux, Node.js, Express.js, MongoDB, MySQL, Spring Boot, PostgreSQL

WORK EXPERIENCE

IpserLab. January 2024 - Current
Software Engineer Intern

- Led the development of a complex web application using **JavaScript** and **React.js**, enhancing user interfaces and application functionality, resulting in a 30% increase in user engagement.
- Managed full-cycle software development for key features, including a sophisticated analytics module, which improved tracking accuracy by 25% and streamlined user engagement analysis.
- Conducted extensive testing and debugging, identifying and resolving over 15 critical bugs, leading to a 20% improvement in website reliability and user experience.
- Utilized advanced **PostgreSQL** techniques for database optimization, achieving a 10% increase in data processing efficiency, and leveraged Git for efficient version control, supporting a team of 5 developers in a fast-paced, collaborative environment.

PROJECTS

Real Estate Web | *MongoDB, Express.js, React, Node.js* October 2023 - December 2023

- Led the development of a dynamic real estate platform using **React** for the frontend, with state management via **Redux**, and **Tailwind** CSS for styling, ensuring a responsive and user-friendly interface.
- Engineered an efficient backend with **Node.js** and **Express**, integrating **MongoDB** and **Mongoose** for optimized data storage, retrieval, and schema management, thus enhancing application scalability and data integrity.
- Implemented secure user authentication and authorization using **JWT** and **Google OAuth**, safeguarding user data and enhancing the application's security posture.
- Utilized **Firebase** for social login functionalities and **Ant Design** for crafting an intuitive admin panel. Adopted agile methodologies to expedite development, ensuring timely delivery of high-quality software solutions.

E-Commerce API | *MongoDB, Express.js, Node.js* April 2023 - August 2023

- Engineered a **RESTful** e-commerce platform backend using **Node.js**, **Express.js**, and **MongoDB**, achieving seamless front-end integration and enhanced system scalability.
- Implemented and optimized key API functionalities including user authentication, product management, and order processing, significantly improving operational efficiency and user experience.

Coffee Delivery Database System | *Python, MySQL* May 2023 - July 2023

- Leveraged Python to establish backend server interactions with a **MySQL** database, executing complex SQL queries including **sub-queries** and joins for efficient data management.
- Designed stringent **security protocols** and an exclusive review system, accessible only to validated users, providing reliable user feedback and aiding in informed decision-making.

Shapes Photo Album Application | *Java, Swing, HTML, SVG* January 2023 - April 2023

- Developed a Java-based application for shape manipulation and visualization, utilizing **Java Swing** for desktop and **HTML/SVG** for web interfaces.
- Implemented **MVC** architecture to improve code quality, facilitate maintenance, and promote reusability across different components of the application.