

Zichuan(Ivy) Zhu

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EDUCATION

Northeastern University, Boston, MA

Aug 2022 - May 2025(Expected)

Master of Science, Computer Science

Guangdong University of Foreign Studies, Guangzhou, Guangdong, China

Aug 2016 - Jun 2020

Bachelor of Science, Logistics management

TECHNICAL SKILLS

Languages:	Java (advanced), C++ (intermediate), Python (intermediate), JavaScript, SQL, HTML5, CSS, R
Frameworks:	React.js, Node.js, Django, Flask
Developer Tools:	Linux, Git, AWS, Relational Database, MySQL, Mongoose, JetBrains
Coursework:	Data Design, Algorithms, Distributed, Object-oriented design and programming, Optimization mathematics, Linear Programming, Machine Learning, Effectively articulate technical challenges and solutions, Handling ambiguous or undefined problems

PROJECTS

NewBoston Estate, MongoDB, Express.js, ReactJS, Node.js, Material-UI

- Engineered a full-stack application for managing house sales, using the **MERN** stack, Leveraged ReactJS for a dynamic and responsive interface, facilitating efficient house listing management, creation and deletion features.
- Crafted and modularized sophisticated React components, integrating Material-UI for a cohesive and visually appealing design. This strategic UI enhancement contributed to a 30% improvement in user experience metrics.
- Instituted effective state management strategies using React's useState hook, ensuring real-time UI updates for a seamless user interaction experience during note operations.

Husky Town, DLang, SDL, Dub, JavaScript, HTML, CSS

- Developed a desktop application facilitating real-time collaborative interactions for Northeastern University's multi-campus environment. Implemented core application functionality in DLang, enhancing real-time responsiveness and concurrency handling for user operations. Leveraged the SDL library to enable smooth graphical transitions and interactions, contributing to an intuitive user experience.
- Established a robust networked system allowing simultaneous real-time updates across multiple instances of the application, fostering seamless collaboration.
- Utilized the Dub build system to ensure a consistent build environment. Conducted iterative testing and refinement in close coordination with the project manager, ensuring the delivery of a reliable and effective collaboration tool.

Mobile Marketplace Application, Python, MySQL, Node.js, Express.js, ReactJS, HTML, CSS

- Engineered an online smartphone shop application with MySQL database integration, resulting in a streamlined user experience for browsing and purchasing smartphones.
- Enhanced server-side operations using Node.js and Express.js, achieving robust **CRUD** functionality and enabling dynamic user interactions with a persistent MySQL database.
- Elevated application interactivity and user experience by employing EJS to render dynamic HTML content, improving user engagement metrics.

EXPERIENCE

China Construction Bank, Guangzhou, Guangdong

Bank Teller

Mar 2019 - Oct 2019

- Handling the collection and payment of domestic and overseas remittances. Querying and printing of exchange and other business statements, auditing transaction information, checking bills, cash, vouchers, etc.
- Filing, binding and storage of business documents and vouchers in accordance with the requirements of file management, implementation of the confidentiality system, and prevention of various types of risks.

Guangzhou Shi yuan Electronic Technology Company, Guangzhou, Guangdong

Supply Chain Analyst

May 2021 - July 2021

- Utilized market research skills to effectively identify and attract potential customers through telephonic and digital media, building a solid client base.
- Developed a deep understanding of the company's product line, successfully promoting products to meet sales targets.
- Collected and analyzed customer feedback, providing strategic decision support to management.

LEADERSHIPS

- President of College of Business 2016 Business Administration, Guangdong University of Foreign Studies
- Founder and President of Enterprise Behavioral Simulation (ERP) Club