

Jingzhi Zhang

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EDUCATION

Master of Science in Information System, *Northeastern University*

Sep 2023-Dec 2025

- Concentration in **full stack software engineering** (GPA: 4.0)
- Relevant Topics: Computer Programming (**Java**), **Database Management & Design** (SQL server, MongoDB, PostgreSQL), **Web Design & User Experience** (HTML, CSS, JavaScript, React, Node JS, Vite), **Data Structure & Algorithms**, **Objective Oriented Programming** (OOP), Full Stack Developer (**Spring Boot**, **PostgreSQL**, **ExpressJS**, React, Node, TDD, **PERN** stack, Docker, CI/CD)

Bachelor of Statistics, *University of Colorado Boulder*

Sep 2016-May 2021

- Concentration in Statistical Computing & **Computer Science**
- Relevant Topics: Calculus, Probability and Statistics, Linear Algebra, **Computer Science Programing (C++)**, Applied Statistics

EXPERIENCE

eCommerce Application Development – Spring Boot and React

Nov 2024 – Dec 2024

GitHub Source Code: [Link](#) | Technologies/Tools: **Java, Spring Boot, React, PostgreSQL, MySQL, AWS, JWT, Docker, RESTful APIs**

- Designed and developed a full-stack eCommerce platform using **Spring Boot** for the backend and **React** for the frontend
- Built **RESTful APIs** to manage core functionalities: product management, user authentication, role-based authorization, shopping cart, and order processing. Leveraged **Lombok** to reduce boilerplate code and ensure efficient development
- Integrated **Spring Security** with **JWT** for secure authentication and role management, managed data persistence with **PostgreSQL**, implementing pagination, sorting, and **JPA** relationships, deployed the application on **AWS** with cloud deployment best practices

Personal Portfolio Website

June 2024 - Present

Deployed Project: [Link](#) | GitHub Source Code: [Link](#) | Technologies/Tools: **HTML, CSS, Bootstrap, Node.js, GitHub**

- Developed a modern **responsive one-page** personal portfolio website via HTML, CSS, and Bootstrap and hosted via Github
- Built a personal website consisting of sections such as home, about me, skills, and all other deployed projects
- Integrated the websites with components like Heroes Snippets, Features, Footers, Carousel, and etc

Tasteful Sky Online - PERN Full Stack E-commerce Application

Sep 2024-Nov 2024

- Worked on a full stack e-commerce website via **PERN** stack with **Postgres, Express, React, Node**
- Built both **client** end and **server** end **Restful API** that includes admin dashboard, user dashboard, payment system, and etc
- Implemented advanced E-commerce features like creating category filtering, color selection, pricing filtering, and an efficient shopping cart with calculation capabilities, added payment systems for secure online payment and handle order tracking
- Integrated user account **authentication** and **authorization** by **JWT** and password hashing with bcrypt to ensure data security

Simon Game – Boss Level Challenge

Aug 2024-Nov 2024

Deployed Project: [Link](#) | GitHub Source Code: [Link](#) | Technologies/Tools: **JavaScript, CSS, HTML, jQuery, GitHub**

- Built a full stack website that allow players to play the Simon game online interactively and hosted in **GitHub**
- Developed the game so that the player can press any key to start the game and keep track of the levels for the user
- Leveraged **JavaScript** and **jQuery** to handle key press and button click event, added sounds and animations to player clicks
- Added functions that check player's answer at each click and pops wrong prompt at player's wrong click and restart the game

La Dolce Vita – Wedding Venue Design

Nov 2023-May 2024

Deployed Project: [Link](#) | GitHub Source Code: [Link](#) | Technologies/Tools: **React, Vite, JavaScript, CSS, HTML, Node.js, Heroku**

- Constructed a responsive modern single page application (**SPA**) of wedding venue using **React** and **Vite** frontend framework
- Developed an online wedding design website that allows customers to plan and customize their inspired wedding ceremony
- Built custom **React** components for the user-facing features via semantic UI and hosted via **Heroku**
- Implemented stateful and stateless components and reusable and repeatable design patterns among **React** framework

TECHNICAL SKILLS

Programming: **Java, C++, React, Angular, JavaScript, HTML, CSS, jQuery, Express, Axios, Python, SQL, Redux, Node**

Tools: **AWS, Sprint Boot, Restful API, Postman, JMeter, Shell, Docker, IntelliJ, Heroku, GitHub, Redis, NPM, MongoDB, CI/CD**