

Frank Zhao

Software Engineer

 frank.zhao.coding@protonmail.com

Education

- **Full Stack Web Development Boot Camp**
University of Minnesota
Apr 2023 - Oct 2023
- **Bachelor's of Science in Computer Science**
DePaul University
Sep 2020 - Dec 2022

Skills

Agile

Coding

Database

Debugging

Communication

Algorithms

Testing

Problem-Solving

Design Patterns

Teamwork

Object-Oriented

Attention to detail

Work ethic

Interpersonal skills

Summary

Talented Software Engineer with expertise in software development, testing, and debugging. Skilled in object-oriented programming and web application development.

Projects

DnD Commerce

Technology Stack:

Utilized MongoDB, Express.js, React, and Node.js (MERN stack) for full-stack web development.

Frontend Development (React):

- Designed and built a user-friendly, responsive web interface for browsing and purchasing DnD merchandise.
- Created product pages, shopping cart functionality, and checkout processes.

Backend Development (Node.js and Express.js):

- Developed GraphQL APIs to manage products, user profiles, and orders.
- Integrated MongoDB for efficient data storage and retrieval.

User Authentication:

- Implemented user registration and login functionality with JSON Web Tokens (JWT) for secure authentication.
- Ensured user data privacy and security by encrypting sensitive information.

Little Chef (RESTful API)

Design Pattern - Model View Controller

View (Handlebars.js, CSS)

- Created sign up, login, favorites, display recipes pages

Model (MySQL and Sequelize ORM)

Controller (Node.js and Express.js)

- Added GET, POST, and DELETE routes for retrieving, adding, and deleting data.

User Authentication:

- Encrypted password-sensitive information using bcrypt
- Detects abusive traffic using reCAPTCHA V3

- Implemented user registration and login functionality using express-session and cookies