

Dachen Xuan

Software Engineer

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[linkedin](#)

[github](#)

[portfolio](#)

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL, Mongo, JSON, Typescript, EJS,

Libraries and Frameworks: React, Express.js, Django, JQuery, Bootstrap,

Databases and other: PostgreSQL, MongoDB, RESTful Routing, JSON API

EXPERIENCE

Manicurist

Aug 2021 - May 2024

- Developed strong problem-solving skills through creating precise, detail-oriented designs.
- Adapted quickly to new tools and techniques, applying a continuous learning mindset.
- Managed time efficiently, handling multiple appointments and maintaining a strict schedule to meet deadlines.
- Leveraged creativity and technical precision, skills transferable to software development.

SOFTWARE PROJECTS

Snake Game (<https://0812sean.github.io/Snake-Game/>)

Jun 2024

- Developed a Snake game using HTML, CSS, and JavaScript, implementing core functionalities like start, pause, resume, and end, with a responsive interface and dynamic background colors.
- Integrated user-friendly controls for a smooth gaming experience, including arrow keys for movement and space bar for pausing/resuming, along with various sound effects to enhance user interaction.
- Optimized the snake's automatic movement and speed adjustment using JavaScript, improving gameplay fluidity, with plans to add difficulty levels, a leaderboard, and other enhancements.

Nail Art Gallery (<https://nail-art-gallery-app-ba812d622aee.herokuapp.com/>)

July 2024

- Developed a web application using Node.js, Express, and MongoDB for uploading and managing nail art designs, featuring user authentication, design categorization, and file upload handling with Multer.
- Implemented a dynamic interface with EJS templating for rendering pages, and integrated Express-Session for managing user sessions, ensuring a seamless user experience.
- Planned enhancements include user profile customization, advanced search and filtering options, and a design rating system to further improve user engagement.

Petsy (<https://petsy-app.netlify.app/>)

Aug 2024

- Played a key role in developing the back-end of Petsy, an online marketplace for pet-related products, using technologies like JSONWebTokens, bcrypt, and multer to ensure secure user authentication and smooth file handling.
- Contributed to the front-end by integrating APIs and managing user interactions, helping to create a responsive and user-friendly interface with tools like axios and react-icons.
- Planned future enhancements include adding features like account deletion and personal user profiles, including bios, social links, and profile pictures, to improve user experience.

EDUCATION

GENERAL ASSEMBLY | REMOTE

Software Engineering Immersive

June 2024 - September 2024

Full-stack software engineering immersive student in an intensive, 12-week, 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.