Dachen Xuan
Software Engineer
dachenxuan@gmail.com | 972-834-5909
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, AWS

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.

BookNest (https://booknest-78163836fb53.herokuapp.com/)   **Sep 2024**
- AWS S3 Integration: Successfully implemented AWS S3 for secure image upload and storage, allowing users to upload and manage book cover images.
- Full-Stack Development: Built a Django-based web application with user authentication, CRUD functionality, and dynamic content rendering, ensuring a smooth user experience across all features like adding, viewing, and categorizing books.
- Responsive Design and UI: Developed a responsive and user-friendly interface that includes real-time favorite and rating systems, providing an interactive and engaging platform for book enthusiasts.

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.

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.