Xiang You

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EDUCATION

Liberty University Lynchburg, VA

Bachelor of Science in Software Engineering *Spring 2024- Spring 2027 (Expected)*

- GPA: 3.81
- Awards: Dean's List(Spring 2024- Spring 2025)
- Relevant Courses: Calc with Analytic Geometry, Programming in C++ Advanced, Data Structures and Algorithms using C++ , Intro to Discrete Mathematics, Front-end Prog in JavaScript

EXPERIENCE

Church App Developer May 2025 - August 2025

One In Christ Church *Lynchburg, VA*

- Spearheaded the development of Ride4Student, a full-stack web platform that connects church volunteers with students needing transportation.
- Seamlessly integrated Church Center app and Planning Center API to automate booking availability and synchronize driver schedules in real time.
- Partnered with church leadership and ministry teams to define needs and deliver tailored digital solutions aligned with ministry operations.
- Enhanced user experience, platform stability, and data security across multiple church-facing systems, increasing adoption among staff and volunteers.

PROJECTS

2D RPG Game Engine | *Unity, C Sharp, JSON, UI Toolkit, System Design* September 2024-Present

- Developed core gameplay systems using the Unity engine, including character state machines, inventory management, and skill trees with more than 15 interchangeable abilities
- Data-driven design pattern, using JSON to serialize save/load functionality, retaining more than 50 game state variables
- Designed a user interface workflow with over 20 interactive elements using the Unity canvas system and event triggers
- Building an event-driven dialog system that supports branching narratives with more than 100 dialog nodes

Portfolio Website | *HTML5, CSS3, JavaScript, Bootstrap* December 2023-February 2024

- Independently created and deployed a responsive personal portfolio website from concept to deployment utilizing core web technologies
- Developed 5 interactive sections (Features, Resume, Projects, About Me, Contact) with a mobile-first responsive layout that supports more than 3 screen sizes
- Implemented advanced CSS features including Flexbox layouts, media queries, and pseudo-class selectors for cross-browser compatibility
- Demonstrates complete project lifecycle management, including testing and optimization phases

Full-Stack Book Tracking System | *Node.js, Express, PostgreSQL, Library APIs* January 16-Present

- Developed a full-stack web application to catalog over 50 books with CRUD functionality and MVC architecture
- Designed a PostgreSQL database schema with book tables (title, author, rating, notes, date) and more than 10 relational queries
- Integration of an open library cover API using Axios to dynamically capture book illustrations (over 100 cover images available)
- Designed responsive UI with EJS templates and CSS Grid/Flexbox supporting 4 breakpoints (mobile to desktop)
- Configured Express middleware stack handling 15+ routes with RESTful conventions and error logging

TECHNICAL SKILLS

Languages: Python, C/C++, C Sharp, SQL (Postgres), JavaScript (ES6+), HTML5/CSS3, Visual Basic, JAVA
Frameworks: Bootstrap 5, React, Node.js, Express.js
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Unity