

## Summary

Motivated and detail-oriented Software Developer with a strong foundation in full-stack web development, object-oriented programming, and database design. Skilled in building responsive, user-focused applications using modern technologies like JavaScript, TypeScript, React, Node.js, and Java. Passionate about writing clean, efficient code, learning new frameworks quickly, and contributing to scalable, high-quality software solutions in collaborative team environments.

## Education

### Illinois State University

Aug 2021 - May 2025

B.S., Computer Science – Applied Science and Technology (GPA: 3.6)

Normal IL

• **Coursework:** Algorithms & Data Structures, Object Oriented Programming, Database Processing, Web Development, Secure Software Development.

## Technical Skills

- **Languages:** JavaScript, TypeScript, Java, Python, HTML, CSS, SQL.
- **Frameworks/Tools:** React, Node.js, Next.js, Express, Spring Boot, Git, GitHub, RESTful APIs, Docker, VS Code.
- **Testing:** JUnit, Jest, React Testing Library (familiar), Unit Testing, Test-Driven Development (TDD), Postman, Jest.
- **Databases:** MySQL, MariaDB, PostgreSQL.
- **Concepts:** Object-Oriented Programming (OOP), Full-Stack Development, API Integration, Agile Development, CI/CD, Cloud Fundamentals (AWS/GCP), Debugging & Optimization, Responsive Web Design, Prompt Engineering.
- **Additional:** Experience in prompt engineering using Claude to improve developer workflow efficiency.

## Experience

### Remax (Freelance Software Engineer)

May 2024 - Aug 2024

- Built and deployed responsive, high-performance website features using JavaScript, HTML, CSS, and WordPress, boosting client engagement by 35%.
- Worked closely with designers and stakeholders to translate business requirements into user-friendly interfaces, ensuring pixel-perfect, cross-browser performance.
- Optimized site assets and code, reducing load time by 30%, directly improving customer experience.

### Illinois State Solar Car Team (Software Team Member).

Sep 2022 - May 2023

- Integrated real-time data communication between hardware components, increasing telemetry accuracy by 20%.
- Collaborated with multidisciplinary teams to diagnose and resolve performance bottlenecks, improving system reliability.

### Illinois State Vertical Rocket Landing Team (Vice President).

Oct 2022 - May 2023

- Led iterative testing and simulation cycles to improve vertical landing accuracy by 20%.
- Collaborated with a 7-person team to assemble and calibrate model rocket systems for stable vertical descent.
- Ran flight simulations using Python tools (PyCharm) and tuned flight parameters based on telemetry data.

## Technical Projects

### Comprehensive Home Care –Healthcare Website.

Nov 2025 – Dec 2025

- Built a fully responsive, mobile-first website with a custom CSS design system and advanced scroll-triggered animations.
- Developed modern interactive UI components including, animated counters, adaptive navbar, real-time form validation, and Google Maps integration.
- Optimized performance, lazy loading, and hardware-accelerated animations for smooth, efficient user experience.

### LuxJewels – Full-Stack Ecommerce Platform (Next.js, TypeScript, PostgreSQL, Prisma, Stripe)

June 2025 – Nov 2025

- Built a full-stack luxury jewellery store with secure authentication, Stripe payments, and a responsive, modern UI.
- Designed a role-based admin dashboard for managing products, orders, and inventory with real-time updates.
- Optimized database and API performance using Prisma ORM and server actions for scalable, maintainable architecture.

### Maze Generator (C++)

Mar 2023 - May 2023

- Engineered an optimized maze generation algorithm (C++) using union-find with path compression, reducing computation time by 40% for large mazes.
- Utilized recursion and memory management for efficient execution; output rendered via ASCII visualization.

### Pickleball Scheduling Application (Java)

Jan 2023 - May 2023

• Designed and implemented full-stack scheduling features in Java, following OOP and SDLC best practices, enabling efficient match organization for multiple users.

- Integrated data persistence with SQL and designed intuitive UI workflows, improving usability by 25% based on user feedback.
- Collaborated in Agile sprints, incorporating peer review and testing to ensure production-ready, maintainable code.

### Portfolio Website (HTML, CSS, JavaScript)

Jan 2023 - Mar 2023

- Designed a fully responsive and mobile-friendly portfolio with clean, semantic structure and modular styling.
- Used version control and deployed via GitHub Pages, ensured cross-browser functionality to highlight project work.