

# Zhiming Li

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Permanent Address: Virginia Beach, VA

## Introduction

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CS graduate skilled in full-stack web development using React, Next.js, and Node.js. Strong background in backend integration and user-centered frontend design. Seeking full-time software engineering opportunities to apply technical skills and agile development experience.

## Education

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### Virginia Tech | Polytechnic Institute, Blacksburg, VA

*Bachelor of Science in Computer Science*

GPA: 3.53

July 2023 – August 2025

## Technical Skills

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- Programming Languages: JavaScript, C++, C, Java, Kotlin, Python, R
- Web & Database: React, Node.js, MySQL, HTML, CSS
- Developer Tools: Eclipse, VS Code, Xcode, IntelliJ, GitHub, GitLab, Rest API, Android Studio
- Operating Systems: Windows, Linux, macOS
- Languages: Fluent in Chinese (spoken and written)

## Projects

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### Supreme Court Case Tracker Web App | *Spring 2025*

- Designed and built a scalable search tool for U.S. Supreme Court cases using **Next.js**, **Express.js**, and **Firebase**.
- Integrated **CourtListener API** for real-time case data with advanced filters and bookmarking support.
- Implemented secure **JWT authentication**, enabling personalized case tracking and protected sessions.
- Optimized backend performance using **Firebase Realtime Database** with efficient query and update logic.
- Collaborated in Agile sprints, using **GitLab** issue tracking for task management and version control.

### RentReady – Vacation Property Booking Web App | *Spring 2025*

- Designed and implemented responsive user interfaces using **Vite** and **Tailwind CSS**, improving cross-device usability.
- Integrated **Supabase** for backend services including **real-time database**, **API handling**, and **authentication**.
- Built secure role-based user authentication using **Bcrypt** and **Supabase Auth**.
- Developed core features such as property listings with media, search/filtering, messaging, and reviews.
- Created a visual analytics dashboard to help hosts monitor property performance and engagement.

### DreamCatcher – Android App for Dream Logging | *Spring 2025*

- Developed a **Kotlin-based Android app** with MVVM architecture, Jetpack components, and Room DB for offline use.
- Implemented intuitive gesture features like swipe-to-delete and photo integration via camera intent.
- Managed reactive UI with **ViewModel** and **LiveData**, ensuring smooth lifecycle-aware data flow.
- Added sharing support using implicit intents, allowing users to export dream logs externally.
- Improved app responsiveness and maintainability using Kotlin coroutines for background tasks.

### Cush – Customizable Shell | *Spring 2025*

- Developed a customizable shell in C, featuring job control, process management, and robust signal handling for enhanced functionality.
- Implemented terminal state management and job scheduling using POSIX system calls to ensure multitasking and reliability.