

# Haichen (Millor) Lei

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## CORE SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, HTML/CSS, SQL  
**Frameworks & Libraries:** React, Next.js, Node.js, Express.js  
**Tools:** Git/GitHub, AWS, Docker, Splunk, OpenTelemetry, Google Analytics 4, Figma  
**Databases:** MongoDB, PostgreSQL  
**Languages:** English, Mandarin (Native/bilingual proficiency)

## EDUCATION

**B.S., Informatics** | University of Washington, Seattle, WA | GPA: 3.74/4.0 Sep 2022 - June 2026  
**Relevant Coursework:** Server-Side Dev, Client-Side Dev, Database Modeling, Machine Learning, Distributed Systems

## RELEVANT EXPERIENCE

**Software Development Intern** | Homehudl | Remote Sep 2025 - Present

- Built a full-stack conversational onboarding chatbot using **Next.js, TypeScript, and Node.js**, replacing a static multi-page questionnaire and **reducing onboarding time by 40%**.
- Designed adaptive chat flows and UI logic in collaboration with PM and UX designers, **improving workflow clarity and increasing data collection accuracy by 30%**.
- Extended the onboarding platform by building new user-facing pages and flows within an existing Next.js architecture, ensuring state consistency, component reuse, and UX continuity.

**Software Development Intern** | Gekko | Bellevue Dec 2025 – Present

- Developed an **enterprise RAG chatbot** with AI-SIEM observability, integrating **OpenTelemetry and Splunk** in a containerized cloud deployment.
- Implemented **AI observability and security monitoring** by instrumenting services with **OpenTelemetry** and forwarding telemetry to **Splunk** for analysis.
- Deployed a **containerized prototype on a cloud VM** using Docker and Docker Compose, supporting scalable and secure enterprise demonstrations.

**WordPress Developer** | English Language and Literature | Remote Oct 2025 – Jan 2026

- Improved website performance and SEO by implementing structured metadata, optimizing templates, and refining internal link architecture, resulting in a **25% increase in organic traffic**.
- Configured **Google Analytics 4** to track engagement and page performance, enabling **data-driven content and UX decisions**.

## PROJECTS

**iPlanner – INFO Course Planning App** | INFO 441 (Server-Side Dev) Winter 2025

<https://final-project-b2park17.onrender.com/>

- Built a full-stack web application to help Informatics students plan coursework efficiently using **React, Node.js, Express, and MongoDB**.
- Designed RESTful APIs enabling **realtime course filtering, workload insights, and comments**.
- Developed backend data models with **Mongoose**, optimizing query performance for schedule.

**Let SQL Fly – Bakery Data Analytics Platform** | INFO 330 (Database Modeling) Spring 2025

- Designed and normalized relational schemas across six entities to ensure **data integrity and scalability**.
- Wrote complex SQL queries to analyze **customer behavior, sales performance, and operational trends**.
- Built ETL pipelines to import datasets into PostgreSQL and resolve data mismatches.

**Poshmark UX Redesign** | INFO 331 (Information Architecture) Autumn 2024

- Redesigned Poshmark's navigation and taxonomy to improve usability and reduce task completion time by 20%.
- Created personas, sitemaps, and wireframes to guide iterative IA refinement.