

# Leo Liang

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## Professional Summary

Results-driven software engineer with a focus on frontend and full stack development using **React**, **Next.js**, and **Redux**. Proven success in delivering mobile-optimized, scalable web applications and integrating **AI** solutions, including **ChatGPT**, to enhance user experience. Skilled in building responsive, high-performance applications and managing cloud deployments on **AWS**, **Heroku**, and **Cloudflare**. Experienced in fast-paced startup environments, with a passion for creating innovative, user-centered solutions that scale efficiently.

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## Education

- 2023 **Cornell University**, M.Eng. in Computer Science (**GPA: 3.82**)
- 2021 **Cornell University**, B.S. in Information Science (Minors in Computer Science & Game Design)

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## Work Experience

- Nov 2024 to Present* **Software Engineer @ Sigma Computing**
- Contributed to front-end development using **React** as part of the App Writeback team.
  - Addressed and resolved internal and external feedback relayed by support engineers.
  - Resolved Jira tickets and implemented bug fixes to improve application functionality.
  - Developed projects aligned with company initiatives to enhance platform readiness for data-driven applications.

- Jun 2023 to Nov 2024* **Software Engineer @ Circolo**
- Led web development using **Next.js**, **React**, and **Redux** for dynamic, scalable web applications.
  - Delivered **3+** mobile-optimized **progressive web apps** with offline capabilities.
  - Managed cloud deployments on **AWS**, **Heroku**, and **Cloudflare** for scalable performance.
  - Integrated AI solutions leveraging the **ChatGPT API** through **few-shot prompt engineering**.
  - Conducted **usability** and **A/B testing**, driving a **28%** increase in client satisfaction.
  - Developed and maintained **REST APIs** with **TypeScript** for high-performance backend services.

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## Projects

- Dec 2024 to Present* **Feature Engineer, Single/Multi-Select Columns @ Sigma Computing**
- Enhanced single-select and multi-select column functionality in input tables to meet high customer demand.
  - Enabled diverse data app scenarios by integrating with App Logic (Actions) features.

- Aug 2024 to Nov 2024* **Project Lead, Aang Avatar Assistant @ Circolo**  
(demo available at [avatar.circolo.us/go](https://avatar.circolo.us/go))
- Lead a new company initiative for next-gen virtual assistants by integrating **HeyGen** and **ChatGPT** to create a highly customizable, adaptive, and scalable solution.
  - Tailored the project to both web and embedded platforms for versatile usage.
  - Focused on delivering a user-centric experience with advanced conversational capabilities, preparing for future applications in customer service and enterprise use.
  - Actively collaborated with clients to refine and optimize for real-world application.

- Jul 2023 to Nov 2024* **Project Lead, Remy Hospitality Platform @ Circolo**
- Led the development and design of an interactive menu and promotional display system for the hospitality industry, driving a **150%** increase in client acquisition.
  - Architected a responsive frontend management system using **React** and **Next.js**, ensuring seamless usability and scalability across devices.
  - Designed AI-driven tools utilizing **computer vision** to automate the digitization of physical menus, reducing processing time by **80%** and streamlining operations for clients.
  - Oversaw integration with in-house hardware, ensuring seamless experience.

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## Technical Skills

**Frontend:** Next.js, React, Redux, TypeScript      **Backend:** TypeScript, Express, SQL, Python, Java, Go  
**DevOps & Platforms:** AWS, Heroku, Cloudflare, Sentry, Shopify, Bash, GitHub Actions, Git, Linux