

Paul Hwang

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EDUCATION

Cornell University

Ithaca, NY

BS in Information Science, Systems, and Technology

August 2023 - May 2027

Relevant Coursework: Object-Oriented Programming, Data Structures, Discrete Structures, Networks, Java, R, Python, Web Development, iOS Development, Linear Algebra, Multivariable Calculus, Differential Equations, Probability & Statistics

EXPERIENCE

Shop Online New York

Yonkers, NY

Frontend Software Engineering Intern - Remote

Aug 2025 - Present

- Developed **15+ reusable React components**, reducing development time by **30%** by implementing component-driven architecture and collaborating with design teams to **enforce UI consistency**.
- Collaborated with cross-functional back-end and product teams to **integrate 20+ APIs**, increasing user engagement by **25%** by ensuring robust data handling and **seamless feature rollout**.
- Conducted peer code reviews and implemented front-end optimizations, **improving load speed by 40%** by refactoring legacy code and applying **React best practices** to support thousands of active users.

Cornell University Sustainable Design

Ithaca, NY

Frontend Web Developer

Sep 2024 - Present

- Developed and deployed a **responsive website from scratch** using HTML, CSS, and JavaScript, as measured by **1,000+ monthly visitors** and a **50% boost in public visibility**, by designing, coding, and maintaining (cUSD.cornell.edu) to ensure accurate, accessible team information.
- Led internal operations and communications, as measured by **weekly updates across 11 subteams** of **100+ total members**, by coordinating cross-functional alignment and **streamlining workflows** between design, technical, and outreach teams.

Pi Delta Psi Incorporated

Ithaca, NY

Frontend Web Developer

Oct 2024 - Present

- Developed and maintained a **React.js** production-quality web platform, as measured by **500+ monthly visitors** and a **60% increase in online engagement**, by deploying on **Vercel** with **CI/CD pipelines** to ensure reliable content updates and a consistent user experience.
- Optimized **site performance and SEO**, as measured by an **60% increase in traffic**, by implementing **Next.js** best practices for load speed, indexing, and scalability.

PROJECTS

Full Stack Credit Card CRUD Application | Docker, PostgreSQL, Java, Springboot, RESTful API, React, Tailwind

- Developed a full-stack credit card management app with **CRUD functionality**, helping users save money and improve point utilization through cashback and transfer partners by **60%** with an intuitive **React.js** and **Tailwind CSS** frontend
- Implemented a **RESTful API** and **Dockerized backend** using **Java**, **Spring Boot**, and **PostgreSQL** to help users manage **50+ credit cards** and optimize credit card multipliers and benefits through side-by-side comparison

AI-Powered Knowledge Memory Tool | Next.js, React.js, Tailwind CSS, TypeScript, Supabase, PostgreSQL, Framer

- Engineered Domi, an AI-powered knowledge management platform using **Next.js**, **TypeScript**, and **Supabase**, integrating a **custom Chrome Extension** to enable cross-platform content capture and real-time data synchronization.
- Implemented intelligent **RAG (Retrieval-Augmented Generation)** features via **Supabase Edge Functions** to enable context-aware chat with saved assets, while designing a **premium, interaction-heavy UI** with Tailwind CSS and Shadcn

TECHNICAL SKILLS

Languages & Libraries: Java, JavaScript, Python, R, SQL, Swift, Pandas, NumPy, BeautifulSoup

Full-Stack Development: HTML, CSS, React.js, Tailwind CSS, Spring Boot, Node.js, Express.js, RESTful APIs, PostgreSQL, MongoDB

DevOps & Tools: Docker, AWS, Git

Design & Management: Adobe Creative Cloud, Figma, Notion, Microsoft Suite