

Yiyang (Selina) Xue

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Summary

Technical solutions background in designing scalable system architectures and workflow automation across organizational platforms. Experienced in requirement discovery, solution design, and implementation aligned with operational efficiency and growth objectives.

Education

University of California, Irvine

B.S. in Computer Science, Information Specialization — (Expected Spring 2027)

Skills

- **Solutions:** Requirement Decomposition, System Architecture Planning, User & Data Flows, Scalable Automation
- **Integration:** RESTful APIs, Workflow Automation, Zapier, Mailchimp, Imgix, OAuth, SMTP, Hosting Configuration
- **Technical:** C++, C#, Python, JavaScript, Node.js, Flask, Next.js, PostgreSQL

Experience

Technical Solutions Developer

Jan 2026 — Present

Gaspare Foundation (Newport Beach, CA — Hybrid)

- Translated stakeholder objectives into structured web architecture for a 22-page platform.
- Led requirements discussions and executed end-to-end platform customization.
- Managed hosting configuration to ensure reliable deployment and maintainability.
- Delivered iterative updates aligned with evolving organizational priorities.

Solutions Architect

May 2025 — Present

Our Clean Oceans (Newport Beach, CA — Hybrid)

<https://www.ourcleanoceans.org/>

- Defined and led platform redesign aligned with membership growth objectives.
- Designed automated onboarding workflows using Zapier and Mailchimp integrations.
- Developed multi-level referral logic with milestone-based rewards and trigger-driven campaigns.
- Centralized operational data into real-time dashboards, eliminating manual coordination.

Product Systems Developer

Jun 2024 — Present

The Gaia Project (Remote)

<https://www.tgpthegaiaproject.com/>

- Designed structured web platform to present program initiatives, event workflows, and partnership collaborations.
- Implemented streamlined one-page navigation to improve content accessibility and user flow.
- Launched feature updates and optimized site architecture to support SEO and scalability.

Independent Platform Developer

Apr 2024 — Present

Pomodoro Pulse (Azusa, CA)

- Developed productivity platform supporting focus improvement through session tracking and timed workflows.
- Implemented Pomodoro timer with persistent session logging and performance analytics.
- Built secure PostgreSQL schema to manage user accounts, custom focus tips, and usage data.
- Integrated OAuth authentication and notification workflows to support user lifecycle management.

Languages

English — Professional Proficiency

Mandarin Chinese — Native