

# Evan Edreo Honggo Widjojo

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## EDUCATION

**University of California, San Diego**  
*BS in Computer Science; Regents Scholar*

**San Diego, CA**  
*Expected June 2026*

## WORK EXPERIENCE

### Sansay

*Software Engineer Intern*

**San Diego, CA**

*June 2025 – Present*

- Built **MCP system** with **LangChain** and **Python** for the backend that transformed data analysis from a manual, long process into instant, natural-language queries; enabled agents to dynamically call **MongoDB/MariaDB** functions within a single request, reducing analysis time by **95%** and unlocking **real-time insights**
- Engineered **fusion search system** combining keyword and vector search across **MySQL** and **MongoDB**, achieving **90%** higher query accuracy and delivering more relevant results to users
- Architected scalable **analysis system** that solved LLM context limitations to **analyze 10,000+** customer conversations simultaneously, implementing parallel processing, dynamic filtering, and optimized data serialization. **Reduced time by 99%**
- **Optimized system performance by 94%** through **Node.js** and **JavaScript** worker thread implementation and database optimization, reducing query response time from **301ms** to **18.7ms** for real-time customer support workflows

### Solight AI

*Founding Engineer Intern*

**San Francisco, CA**

*April 2025 – June 2025*

- Implemented **real-time polling** system with **Redis**, **FastAPI**, and **React** that prevented redundant requests during in-progress LLM generations, cutting unnecessary API calls by **80%**
- Built **organization management features** (creation, invitations, role-based collaboration) using **Python** and **JavaScript** that transformed the product from single-user to team-ready, driving a **60%** increase in collaboration and adoption
- Developed **LLM output comparison framework** with **Python** backend and **JavaScript** frontend to automatically test and weight generated results on key quality metrics, boosting QA accuracy by **30%**
- Designed **agent task manager** using **FastAPI** and **Python** that decomposed monolithic QA workflows into specialized agents (auth, analysis, execution), improving throughput and reducing processing time by **40%**

### Typedream (YC W20)

*Software Engineering Intern*

**San Francisco, CA**

*Jun 2023 – Sep 2023*

- Engineered **automated data parsing** and **conversion system** for Linktree imports using **Next.js**, **React**, **TypeScript**, and **Tailwind CSS** for the frontend and backend, transforming competitor link structures into customizable drag-and-drop card layouts through close CTO collaboration, **increasing new user signups by 25%**
- Standardized UI components and migrated styling from **Bulma CSS** to **Tailwind CSS**, ensuring visual consistency
- Designed and shipped **dupl.ink**, a new product, from **Figma** to production with **Next.js**, **TypeScript**, and **Tailwind CSS**.

## LEADERSHIP EXPERIENCE

### Araca Website

*CTO & Co-Founder*

*Nov 2024 – June 2025*

- Led 5 full-stack developers of a SaaS platform funded by **Blackstone Launchpad** using **Next.js**, **React**, and **Typescript**.
- Built a secure email automation system integrating **OpenAI**, **Google API**, and **OAuth 2.0**, reducing wasted time by **90%**.
- Defined and executed the **product roadmap**, creating **system design** diagrams and technical overviews to **streamline task**.

### Code the Change DVC Website

*Founder and President*

*Jan 2023 - May 2024*

- Managed a team of **40 officers** to develop **5 websites** using **HTML/CSS** and **JavaScript** for underresourced **non-profit organizations**, **increasing donations** by **30%** for a few organizations and boosting their online presence by **100%**.
- Orchestrated weekly general meetings onsite and virtual team project meetings through **Slack**, achieving **100% membership growth** each semester, totaling over **200 members** in total and maintaining **strong communication skills**.
- Organized workshops on **full stack dev** and **Git**, inviting industry professionals to speak about the computer science field.

## TECHNICAL SKILLS

**Languages:** Python, C, C++, Java, JavaScript, TypeScript, HTML, CSS

**Technologies/Frameworks:** Langchain, FastAPI, React, Node.js, Next.js, Tailwind CSS, Django, MongoDB, SQL, Numpy, OpenAI, Express, Docker, Github Actions, CI/CD, AWS, Redis, Jest, RAG

**Developer Tools:** Figma, Git, VSCode, Jupyter, Xcode, Notion, GitHub