Benjamin Garcia

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EDUCATION

University of California, Los Angeles — Los Angeles, CA
Bachelor of Science, Computer Science — *Expected Graduation: Jun. 2027*

EXPERIENCE

Research and Development Engineer Intern — Incoming Jul. 2025
Bonterra — *Remote*

Senior Software Development Intern — Mar. 2025 – Present
Todd Agriscience — *Remote*
- Built and deployed a responsive, client-facing dashboard and company website using **Next.js**, **Tailwind CSS**, and **Framer Motion**, delivering interactive data visualizations for agricultural insights.
- Integrated backend services from **Palantir Foundry** and **AWS Lambda** to stream AI-analyzed crop data into real-time UI components, aligning frontend logic with backend inference pipelines.
- **Built accessible UI components**, designed **scalable layouts**, and documented systems for **handoff across teams**.

Software Engineer Intern — May. 2025 – Jun. 2025
TensorStax — *Remote*
- Engineered real-time frontend systems in a **fast-moving, $5M VC-backed startup** using **Next.js**, **Redux**, **Tailwind CSS**, and **WebSockets** to power agentic UIs and async pipeline flows.
- Designed credential submission UI integrated with **HashiCorp Vault**, interfacing securely with a **Python + Redis backend**, while collaborating across **frontend**, **ML**, and **infra** teams.

Frontend Developer — Sep. 2024 – Apr. 2025
AdeptEye — *Walnut, CA*
- Revamped **2 client** Squarespace & Shopify sites **reducing load times by 40–50%** and driving **1,800 first-week views.**
- **Engineered dynamic product filtering**, dealer portals, and **POS integrations** to streamline e-commerce flow.

AI Engineer — Mar. 2024 – Apr. 2025
Outlier AI — *Remote*
- **Optimized LLM** pipelines via **A/B testing**, identifying **hallucinations** to refine prompts and **boost model accuracy**.
- **Engineered** a recursive **self-improvement** method using **failure** prompts to boost LLM reasoning & cut trend errors **20%**.

PROJECTS

Git Proof | *Next.JS, Tailwind CSS, TypeScript, FastAPI, PostgreSQL, Redis, Gemini* — May. 2025 – Present
- Built a **full-stack analytics platform** that transforms **GitHub activity** into recruiter-ready reports with **commit heatmaps**, **README analysis**, and **résumé-grade PDF exports**.
- Engineered backend parsing engine (**FastAPI**, **Celery**, **Redis**) to classify **tech stacks**, summarize **READMEs** using **Gemini 2.0 Flash-Lite**, and visualize contributions through **interactive dashboards**.

Mt. SAC Computer Science Club Website | *Next.JS, Tailwind CSS, TypeScript* — Aug. 2024 – Present
- Overhauled the official site for a **900 member CS Club** achieving **100% Lighthouse accessibility** and **under 1s LCP** on desktop, and implementing a **component-driven architecture** with dynamic routes and JSON-configured events.
- Boosted traffic by **10x** in the first month post-launch through improved UX, responsive design, and centralized event & member access, resulting in an **80% increase** in mobile user retention and comprehensive advisor/officer directories.

logit | *Next.JS, Tailwind CSS, PostgreSQL, Supabase* — Dec. 2024 – Present
- Developed a full-stack workout logging app portraying an intuitive UI for **seamless workout tracking and progress visualization** using a **react-calendar and Recharts** for trend analysis.
- Designed and optimized a **PostgreSQL database** to support flexible workout tracking with tags, comments, and dropsets, enabling comprehensive progressive overload analysis.

het.ai | *Next.js, Tailwind CSS, Firestore, FastAPI, Leap Motion Controller, Python* — Apr. 2025
- Developed a **full-stack ergonomic tracking platform** to visualize hand posture with **real-time angle data** and display **animated hand skeletons** and diagnostic graphs using **React and Recharts**.
- Engineered high-frequency sensor data ingestion and smooth visualization by integrating **Firestore with FastAPI** and implementing **state interpolation**, ensuring robust real-time performance.

TECHNICAL SKILLS

Languages: TypeScript, Java, C++, SQL, Python, JavaScript, Liquid, HTML, CSS
Frameworks & Libraries: Next.js, Tailwind CSS, React.js, Astro, Framer Motion, Recharts, Bootstrap, Prisma
Developer Tools: Git, GitHub, VS Code, Netlify, Vercel, Vite, Supabase
Development Methodologies: Agile, Scrum, Kanban, Sprint Planning, Code Review, CI/CD
Relevant Courses: Data Structures & Algorithms, Linear Algebra & Differential Equations, Discrete Mathematics, OOP