

Experience

AI and Design Engineer Intern | Renoverse AI | MAY 2026

Owned an end-to-end website revamp for an AI renovation/home-construction startup, replacing a no-code Squarespace landing page with a hand-built, responsive site — designed Figma mockups and interactive prototypes, translated designs into production HTML using Paper with Claude, established a reusable design system via Google's design.md protocol, and shipped a live site in ~24 hours after re-strategizing to hit the client's end goal; authored a team handoff guide for editing and scaling the site with Claude going forward

Software/AI Engineer | Fractal Tech NYC | FEB 2026 — MAY 2026

Built and shipped 10+ full-stack apps, software tools, and AI research projects with 1,000+ commits and 400+ PRs — created RhinoMCP (an MCP server bridging Rhino 3D and AI agents for computational design), multiplayer games, 3D environments, dungeon crawlers, and AI-powered tools using React, Next.js, TypeScript, Python, Three.js, and WebSockets, with a focus on 3D modeling, architecture-software integration, and Claude Code research

Architectural Intern | Studio KZ + Scottsdale Design Build | MAY 2022 — JUL 2023

Developed drawing sets through the CD & CA phases for both residential & commercial projects, built 3D SketchUp models for client presentations, participated in on-site field & construction work, assisted with contractual review, collaborated on structural calculations and detail design, drafted plans, elevations, sections & details for custom homes

Gallery Educator + Greeter | Wrightwood 659 | APR 2024 — JUL 2024

Engaged & educated visitors on architecture & artworks, developed research & “educator talk” on artist

Gallery Service Assistant | Gallery 1957 | Expo Chicago | APR 2023

Engaged with potential clients, learned artists & their works quickly, promoted & represented artists to the public

Tech Stack

FRONTEND:	React 19, TypeScript, Tailwind CSS, Vite, Shadcn UI, Radix UI, React Router, MDX
BACKEND:	Node.js, Express.js, FastAPI, Bun, WebSockets, Python
FULL-STACK & AUTH:	Next.js 15, Supabase (PostgreSQL), BetterAuth, Firebase, NextAuth
DATABASES:	PostgreSQL, SQLite, Supabase
AI / LLM:	Anthropic SDK (Claude), Model Context Protocol (MCP), Vercel AI SDK, Agents & Tool Use, RAG, Workflow Orchestration, Multimodal I/O, Streaming & Real-Time Systems
3D & GRAPHICS:	Three.js, React Three Fiber, PixiJS v8, Rhino Python API
TESTING:	Vitest
DEVOPS:	Docker, Terraform, GitHub Actions, Vercel, Netlify, Sevalla, Render, AWS EC2, AWS S3, GCP Compute Engine
OBSERVABILITY:	OpenTelemetry, Grafana, Prometheus
ARCH & CAD:	AutoCAD, Rhino + V-Ray, SketchUp, Lumion, Adobe Creative Cloud, Laser Cutting

Education

Illinois Institute of Technology | Bachelor of Architecture (NAAB Accredited) | 2020 — 2025

GPA: 3.71 | Summer Study Abroad Course: Japan 2023 | U.S. Department of Energy Solar Decathlon

Westwood High School | International Baccalaureate | 2016 — 2020

Class Rank: 1 out of 638 | GPA: 5.0 | Seal of Biliteracy & NHS Seal

Recognition

AWARDS & HONORS		ORGANIZATIONS & LEADERSHIP	
Dwight T. Black Memorial Scholarship Nomination	2024	Camras Scholars Mentor	2020 — 2025
U.S. Solar Decathlon Finalist	2024	IIT Art x Architecture (AIAS) Director	2021 — 2024
Anderson Presidential Scholarship	2022 — 2025	Kappa Phi Delta — Assistant Secretary	2022 — 2024
Camras Scholarship	2020 — 2025		
Dean's List	2021 — 2025		