Brian David Metrillo

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SUMMARY

Computer Engineering student at De La Salle University and AI engineering intern who builds agentic workflows, MCP servers, and LLM tools in Python and TypeScript. Builds agent tools at Casper Studios, including an MCP server for staffing. Anthropic Claude Certified Architect (CCA-F). Built Greendex, a GPA tracker with 3,300+ users.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Bash
AI and LLM: Claude Code, Agent Skills, Model Context Protocol (MCP), Gemini API, agentic workflows, context engineering, AI evaluations, RAG, MediaPipe
Frameworks: FastAPI, Flask, Celery, Next.js, React, Prisma
Data and DevOps: Supabase, Firebase, MySQL, Redis, Docker, CI/CD, Linux, Git

WORK EXPERIENCE

AI Engineering Intern | Casper Studios (Remote) Jul 2026 – Present

- Lead engineer on an MCP server that lets an AI assistant answer who is free, price projects, and book leave; built pricing, leave booking, audits, and preview-and-confirm writes.
- Fixed reporting errors, including missing cost data read as zero, and cut a dashboard's refresh time from minutes to seconds.
- Built agent skills for the hiring workflow, from job intake and job descriptions to candidate triage.
- Built the skill publishing pipeline (a contributor tool plus a CI registry sync) that lets non-engineers publish agent skills safely.
- Rebuilt weekly time-logging reports and follow-ups as scheduled agent routines.
- On a client project, built a weekly report on the cost and reliability of published agent skills, and a plugin marketplace so the client's team installs skills without cloning a repo.

LEADERSHIP

Head of Quality Assurance | GDGoC De La Salle University Oct 2025 – Sep 2026

- Set testing standards and run integration and functional reviews for all chapter projects.

Head of Programs (Build); AVP for Corporate Relations | ASES Manila Dec 2025 – Jun 2026

- Founded Build with ASES, a twice-monthly builder session with students from 7 Metro Manila universities, in partnership with January Capital; members shipped 50+ projects.
- Developed the corporate relations CRM (Next.js, FastAPI, Supabase) with Gemini and Tavily research, tracking 690+ sponsor contacts.

PROJECTS

Greendex | TypeScript, React, Vite, Firebase | go-greendex.vercel.app Apr 2025 – Present

- Launched a GPA/CGPA tracker for DLSU students with real-time grade math and Dean's List projections across 13 academic terms.
- Grew to 3,300+ users and 72,000+ GPA calculations by word of mouth, with no marketing spend and 95% feature adoption.

Multi-Drone Control Interface (Undergraduate Thesis) | MediaPipe, Crazyflie 2.1 2026 – Present

- Co-lead software for a tablet interface that lets one operator fly 3 nano drones at once, using touch input for position and MediaPipe hand gestures for altitude. Proposal approved June 2026.

CoSkillLink | TypeScript, Next.js 15, Prisma, MySQL Mar 2026

- Engineered the backend (REST API, relational schema) for a hackathon skill-swap platform and integrated the GrayWhale AI engine for real-time skill matching.

EDUCATION

De La Salle University | B.S. Computer Engineering Sep 2023 – Sep 2027

Expected Sep 2027 | Jose Rizal First Dean's Lister | Coursework: computer vision, software design, intelligent systems, discrete mathematics

CERTIFICATIONS

Anthropic Claude Certified Architect – Foundations (CCA-F) (2026) | DataCamp AI Engineer for Developers Associate (2026) | NVIDIA Fundamentals of Deep Learning (2026) | Harvard CS50x and CS50P (2025)