

Damian Wong

hello@damianw.com | LinkedIn | GitHub | damianw.com

Education

Rensselaer Polytechnic Institute — *B.S. Computer & Systems Engineering* Sep 2026 - Present | Troy, NY
Honors: Rensselaer Leadership Award

Experience

- SIDAN Lab** — *Intern — Web Development & Blockchain Education* Hong Kong | June 2025 – May 2026
- Developed a Next.js website prototype, implementing the frontend and creating technical content for SIDAN Lab.
 - Delivered 3+ workshops on Cardano fundamentals transactions, and blockchain network concepts for developer and community audiences.
 - Coordinated 3 Cardano events in Hong Kong, managing speakers, promotion, workshop content, logistics, and livestreaming; one showcase was promoted through Cardano community channels.
- DeltaDeFi** — *Intern — AI Automation & Product Operations* Hong Kong | June 2025 – May 2026
- Co-managed the launch of DeltaDeFi at Cardano Summit 2025, coordinating launch strategy, messaging, social campaigns, community outreach, media, booth materials, documentation, and team scheduling; launch content reached 296K+ views.
 - Built a Claude Skills-based research workflow using Python scripts and persistent Markdown memory to source and synthesize research, supporting 2 Cardano Catalyst proposals and published “Midnight 101” proposal content.
 - Represented DeltaDeFi at Tech for Impact Summit 2025 in Tokyo, pitching the platform to investors and Web3 organizations and supporting partnership discussions, including a potential deployment with a Japanese local government.
- CautionTape Robotics** — *Robotics Coach* Ontario, Canada | Sep 2022 – Dec 2024
- Designed and delivered 10+ robotics programs in programming and engineering for 100+ students.
 - Mentored 4+ competitive VEX Robotics teams in design and programming; one qualified for the VEX World Championship.
- SnowHawks Ski & Snowboard School** — *Snowboard Coach* Ontario, Canada | Nov 2021 – Feb 2024
- Instructed 100+ snowboarders across beginner through advanced levels, adapting lesson plans and technical feedback to individual learning styles.

Technical Projects

- AI Research Pipeline** GitHub
- Built a 7-phase Claude Code research pipeline using Crawl4AI, Docling, and Graphify to collect evidence, track source provenance, and generate citation-backed reports.
 - Implemented resumable runs, 4 human approval gates, claim-level provenance, and automated gap detection for auditable and reproducible research.
- Multi-Agent Decision Framework** GitHub
- Built a multi-agent decision framework combining 5 advisor roles, anonymized peer review, adversarial debate, and dissent-preserving synthesis.
 - Implemented 3 adaptive analysis modes and a persistent JSONL outcome journal for confidence tracking and retrospective evaluation across runs.
- Security Audit Pipeline** GitHub
- Orchestrated 12 security scanners, including Trivy, Gitleaks, Semgrep, OSV-Scanner, Syft, and Grype, for vulnerability, secret, dependency, and SBOM analysis.
 - Designed read-only isolation boundaries that keep Claude outside the target repository and restrict analysis to scanner outputs, reducing code-execution and prompt-injection exposure.

Leadership

- CautionTape Robotics Team 839A/Z** — *Captain & Design Lead* Ontario, Canada | Sep 2021 – Aug 2024
- Led robot design, programming, and competition strategy for a 10+ member team that qualified for the VEX World Championship 3 consecutive years.
 - Led design and engineering documentation for teams earning a Think Award at an international competition and Design Award at a national competition.
- Engineering Club** — *Founder & President* Ontario, Canada | Sep 2021 – May 2025
- Founded and led a 20+ member engineering club, delivering weekly workshops on STEM topics including introductory Linux and cybersecurity.

Skills

Programming & Tools: Python, Bash, Git/GitHub, Linux, Next.js, HTML/CSS
AI: Anthropic/OpenAI APIs, Claude Code, Multi-Agent Systems **Security:** Nmap, Burp Suite, Wireshark
Languages: English, Cantonese, Mandarin (Native/Bilingual)