

MELISSA MEY Y. LAIZ

Chicago, IL ♦ U.S. Citizen ♦ Willing to Relocate
melissalaiz07@gmail.com ♦ linkedin.com/in/mumayyy ♦ github.com/muymay

OBJECTIVE

Software Developer with hands-on internship and founding-engineer experience across QA automation, full-stack development, and data analysis, graduating with an M.S. in Artificial Intelligence and B.S. in Computer Science in December 2026. Proficient in Python, SQL, TypeScript, Swift, and React, with practical experience applying AI tools like Claude Code and Cursor to improve testing efficiency and support data-driven decisions.

EDUCATION

M.S. in Artificial Intelligence | B.S. in Computer Science, Illinois Institute of Technology Expected **Winter 2026**
GPA: M.S. 3.6/4.0 | B.S. 3.45/4.0
Chicago, IL

Honors & Activities: Dean's List (2024 – 2026) | Treasurer of IIT Drone Development and Airports Organization

SKILLS

Languages: Python (Advanced), JavaScript, TypeScript, Swift, Java

Frameworks & Tools: React, Next.js, SwiftUI, Node.js, Express, Playwright (Advanced), MySQL (Advanced), PostgreSQL, Firebase, Git, Azure DevOps

Data & Business Tools: Power BI, SAP, Excel (Advanced)

AI Development & Productivity: Claude Code (Advanced), Claude (Advanced), Cursor (Advanced)

EXPERIENCE

Software Quality Engineering Intern Jun 2026 – Aug 2026
Strata Decision Technology Chicago, IL

- Built and maintained 100+ automated Playwright test cases (TypeScript) for Strata's Axiom Higher Education product, using Claude Code to clean up and document test cases prior to submission in Azure DevOps (ADO).
- Applied AI-driven testing strategies to identify and document software defects across the development lifecycle; presented testing outcomes and workflow improvements to the Executive Leadership Team. Drove a 70% gain in testing efficiency while maintaining high accuracy across shipped releases.

Software Engineer Intern Oct 2025 – Dec 2025
Aubot Melbourne, Australia

- Designed large-scale Python and SQL exercises for 1,000+ learners and kept CI-ready training pipelines stable through code reviewing and debugging.

SAP Data Analyst Intern May 2025 – Aug 2025
Woodward MPC Niles, IL

- Extracted and analyzed production data using SAP; built Power BI dashboards and reusable automated workflows that reduced manual reporting effort and informed executive-level operational decisions.

PROJECTS

badjet [Swift, SwiftUI, Supabase, SQL] — Founder Aug 2026 – Present

- Building a local-first iOS/Mac budgeting app: nested spending/savings/income maps, CSV export, and optional encrypted cloud backup so the server stores ciphertext only.
- Designed the SQL schema and row-level security for vault backups (Supabase), Sign in with Apple/Google, and a force-directed graph layout that settles map nodes with spring/repulsion constraints.

LockBook [Node.js, Express, PostgreSQL, TypeScript] — Software Engineer Jul 2026 – Present

- Building the backend for LockBook, a bookkeeping platform for independent restaurants and cafes, including CSV/XLSX ingestion, AWS S3 storage, and Stripe-based billing.
- Designing KPI dashboards (revenue/expense/profit trends, multi-format export) and authoring the Terms of Service and role-based access control (Owner/Manager/Accountant/Viewer) with 2FA and an audit-logged admin console.

Loka [Swift, SwiftUI, Firebase, Mapbox] — Lead Engineer Jul 2026 – Present

- Leading UI development and quality testing for Loka, a SwiftUI public safety app for Jakarta–Depok, Indonesia, covering the live map, incident reporting, alerts feed, authentication, and settings flows.
- Validating core user flows (GPS-based incident detection, CCTV overlays, bilingual ID/EN UI) via structured QA passes ahead of each TestFlight build, integrating Firebase and BMKG weather/earthquake data feeds.

Playwright AI Test Suite. [TypeScript, Playwright, GitHub Copilot, Claude API, Node.js] May 2026 – Jun 2026

- Built a 7-test Playwright regression suite (TypeScript) covering login, checkbox, radio, dropdown, and text box flows, and debugged GitHub Copilot-generated tests across 3 additional suites, fixing incorrect locators, outdated syntax, and missing edge cases.
- Developed an AI Edge Case Suggester using the Claude API (TypeScript) that converts plain-English feature descriptions into 5 actionable edge cases, then built regression tests from AI-identified issues such as whitespace-only input handling.

Bug Tracker & Issue Management System. [Python, Git, Agile] May 2026 – Jun 2026

- Tracked and resolved software defects using a structured issue-management workflow; performed root-cause analysis and communicated findings in an Agile team environment, improving code quality and maintainability.

JobExtractX: Transformer-based Job Data Extraction. [Python, FLAN-T5, Mistral-7B, DeepSeek API] Jan 2025 – May 2025

- Evaluated transformer models on 11K+ labeled job postings; quantized training cut GPU memory footprint 75% and automated labeling cut annotation time 60%.

ChiSky Flight Tracker. [React, Next.js, PostgreSQL, SQL, FlightAware API] Jan 2024 – May 2024

- Collaborated with a 4-person team to build a real-time flight tracking web application, leveraging the FlightAware AeroAPI and a PostgreSQL database to store and query live and historical flight data.
- Designed and optimized SQL queries, including UPSERT operations, to maintain data integrity and support frequent updates while minimizing external API calls and cost.