

Vaughan Love

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| vaughan.love

OBJECTIVE

Full-stack engineer who ships production AI products end-to-end, GPU infra to UX design.

EXPERIENCE

Founding Engineer | [Acuity Technologies](#) | *Cambridge, UK* 02/2026 – Present

- Collaborate directly with a cross-disciplinary team to design and implement novel biotech workflows integrating AI.
- Ownership across the entire stack.

Software Engineer (Full Stack) | [Centre for Health Informatics](#) | *Calgary, Alberta* 01/2024 – Present

- Built software platforms that helped anchor a successful \$1M+ CAD in grants; contributed to and managed the technical budgets.
- Created [recens.app](#), a qualitative research platform for AI-assisted policy document review with a strong design emphasis on human-in-the-loop. Wrote a manuscript (in review) demonstrating reduced man-hours by 60% compared to legacy platforms, saving an estimated \$8–11K CAD per review. Self-hosted GPUs for document OCR and LLM hosting.
- Developed and maintained [atlas.mh2c.org](#), a global refugee health app. Frontend developed with Remix and React (TypeScript), hosted on Azure. Postgres backend.
- Interfaced directly with non-technical teams (internal, independent research teams, World Health Organization) to build products from ideation to deployment. Weekly collaboration with stakeholders to establish design, functionality, and timelines.
- Orchestrated external technical consultants to develop [mh2c.org](#).

Quantitative Developer | *Feta Markets* | *Remote* 05/2022 – 10/2022

- Cleaned and preprocessed hundreds of millions of rows of data using pandas (Python).
- Back-tested different options writing strategies to mitigate platform risk.

Junior Data Analyst | *Global Predictions* | *San Francisco* 06/2021 – 01/2022

- Programmatic data analysis of a massive set of macroeconomic features using Python.

Undergraduate Researcher | *University of Calgary* | *Calgary, Alberta* 05/2021 – 08/2021

- Analyzed 3D robotics data from the KINARM exoskeleton to research the impact of vision on proprioception recovery in stroke patients. Analysis in MATLAB and Python.

EDUCATION

Queen's University, BAsc Applied Mathematics Engineering
Major: Applied Mathematics | Minor: Computing

ACTIVITIES

Personal Projects — all available at github.com/vaughanlove 2019 – Present

- **Currently:** Sigil, a consent layer to facilitate moving health records P2P while staying compliant.
- [strongly typed symbolic regression](#) — project. **Jul 2025**
- [Zero Knowledge Sudoku](#) — project, prove a board is complete without exposing the user's input. **Jan 2025**
- [BetMore](#) — rabbit capital hackathon, wager app for trivia questions using LLMs and stablecoins. **Nov 2024**
- [malaconnect](#) — founding engineer, healthcare navigation for elders. **Apr 2024**
- [pintxo](#) — founding engineer, API for developers to execute on-chain functions from language. **Feb 2024**
- [gecover](#) — hackathon, a cover letter generator from LinkedIn URLs. **Nov 2023**
- [promptbreeder](#) — project, google deepmind prompt optimization paper implemented in python. Used by Cambridge researchers. **Oct 2023**
- [ezserve](#) — Square + Google hackathon, embedded AI tableside restaurant waiter built to run on a Raspberry Pi. **Sep 2023**
- [mojodao](#) — project, subscription program for the Solana blockchain. **Aug 2021**

Breakpoint Global Fellow 11/2021

- Developed subscription infrastructure for the Solana developer ecosystem and was sponsored to attend breakpoint 2021.

Tech Lead 08/2020 – 03/2021

- Developed NOTIFAI, an AI notification manager while in QMIND. Presented nationally at CUCAI.

SKILLS & ABILITIES

Languages: Python, TypeScript, JavaScript, Rust

Frameworks: React, TanStack, Remix, Flask, FastAPI, Pydantic

Infrastructure & Tools: Docker, AWS, Azure, Cloudflare, Railway, PlanetScale, Postgres, Redis, vLLM

AI/ML: Language models, OCR, self-hosted GPU inference, pgvector