Patrick Frenett

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Experience

V7 Labs London, UK
AI Engineer *July 2024 – Sept 2025*

- Led the development of agentic search, building extraction, indexing, retrieval, and generation components. Wrote the entire evaluation suite.
- Various smaller projects: Methods for PowerPoint and Excel document understanding, editing, and generation. Improved PDF citation and bounding box extraction. Built out deep research modules. Prototyped generic entity extraction and linking modules with arbitrary ontologies.
- Worked with finance, legal, insurance, and logistics customers to build out custom solutions. Led sales calls and demos for customers. Conducted product research and development.

MasterGuest London, UK
Founder and Technical Lead *Oct 2023 – Present*

- Built a mystery guest booking and review platform for restaurants, bars, and gyms. Work with over 50 sites across 8 countries. $50k ARR.
- Co-founded with a friend in hospitality, takes up around 3 hours of my time per week.

Adarga London, UK
Senior Data Scientist *Sept 2022 – July 2024*

- Led the internal alpha development program for prototyping new LLM-based features. Rapidly developed internal apps shared with internal and external stakeholders.
- Led the development of a fine-tuned, on-premise generative longform question-answering model with novel citation and source tracking. Included research, development of synthetic data pipelines, model fine-tuning, RLHF, benchmarking, and deployment. The trained 7B model matched GPT-4 (SOTA at the time) in terms of factual consistency and hallucination reduction.
- Deployed production models and data pipelines for entity extraction, entity linking, event extraction, and document summarisation.

Mercury Labs London, UK
Data Scientist *Oct 2021 – Sept 2022*

- Built language models used to identify skill gaps between job postings and UK apprenticeship standards. Developed client-facing applications to communicate results.
- Developed a product recommendation model using pretrained embeddings to determine similar products for e-commerce merchants facing cold starts.
- Trained and deployed a computer vision model for COVID-19 test cassette recognition using AutoML tools.
- Led the team writing quotes for 6-figure data science contracts.

The Watson Foundation Estonia, Germany, Kenya, Uganda
Thomas J. Watson Fellow *Aug 2019 – Aug 2020*

- One of 41 fellows selected for a year of funded independent study. Project: "Innovation, Automation, Motivation".
- Visited 11 countries across Africa and Europe studying societal impacts of automation, focusing on the psychology of motivation and what makes work meaningful.

dQ&A Market Research San Francisco, USA
Software Engineering Intern *April 2017 – Sept 2018*

- Built a HIPAA compliant database to track patient data, incorporating 5+ years of survey data. Reduced production cycle by ˜5 days per quarter.
- Developed a client-facing platform for custom research, including a conjoint simulator offered as a major component of projects selling for up to $100,000 each.
- Built a web application for analysing email campaigns.

Selected Projects

Sod (WIP)

Feb 2026 – Present

- Open source tool for versioning and collaborating on non-code data sets (pdf, pptx, etc). Built for swarms of agents contributing to the same document sets. Git-like provenance of memories derived from the document sets.
- Built as a CLI tool and associated LLM skill.

PodBot

Jan 2026

- Podcast ingestion + analysis tool. Available as a CLI tool to give command line agents access to podcast data.
- Transcription, diarisation, topic modelling, hybrid search, recommendation system, chat system.

Yetmo

Sept 2025 – Dec 2025

- AI workspace for VC analysts. IDE-shaped UI for non technical users interacting with non-code files and folders.
- Built out extraction, indexing, retrieval, and generation components.
- Conducted user research and onboarding of beta users. Decided to pivot away from the project and towards tools for existing similar solutions (Claude Cowork, OpenClaw, Zo, etc).

Education

Imperial College London — London, UK

M.Sc Computing (Artificial Intelligence and Machine Learning) — *Sept 2020 – Sept 2021*

- Distinction (74% Examination Average, 78% Dissertation)
- Dissertation: "Neuro-Symbolic Learning with Logically Constrained Conditional Autoencoders"
- Independent Study: "Semidefinite Programming Approaches to Neural Network Verification"

Amherst College — Amherst, MA, USA

B.A. Computer Science, Mathematics, Statistics (Triple Major) — *Sept 2015 – May 2019*

- Overall GPA: 3.9/4.0. Computer Science GPA: 3.97.
- Teaching assistant for COSC 111, COSC 112, STAT 230, and MATH 360.
- Captain of the men's rugby team for 3 years.

Skills

Languages: Python, TypeScript, SQL, Elixir

Technologies: Next.js, Convex, FastAPI, LangGraph, PyTorch, Docker, Git