Elliott Murray

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Technical founder and software engineer with ten years leading technical work as a founder and CTO, across production software, AI systems and security. Building on LLMs since 2020 as one of GPT-3's first 1,000 developers. Available for empirical AI research full-time from early 2027.

EXPERIENCE

Empirical AI research — silent speech and evaluation Nov 2026

- Built a local macOS dictation app with a fine-tuned 0.6B transcript corrector (validated out-of-time on 120 recordings from 11 months earlier: 3.2% vs 4.3% word error), then fine-tuned an open lip-reading model (Auto-AVSR) on Modal and paired it with Claude to cut silent mouthed word error from 53% to ~10%.
- Audited why the first scores overstated performance: a memorised standard benchmark (perplexity 4.9 vs 83.5), single-run seed variance (addressed by averaging four seeds' weights), and a leaky AI-agent evaluation that saw all 15 test items at once (13 of 15 exact; 9–10 at best re-run blind).
- Tested cross-speaker transfer on external corpora: fine-tuning on one speaker (Cornell SoniSpeech) cut their word error from 74% to 12%, but degraded performance on 42 unseen speakers (TaL80: 84% to 93%).

elliott.md/silent-speech · github.com/devoided/silent-speech-eval

Technical founder — Postwise AI and Warmer.ai 2021 – present

- Independently architected, shipped and operated two production AI SaaS products end to end, including Postwise, an AI writing tool for LinkedIn and X with 50,000 users: custom models, web apps, inference pipelines, billing and operations. Warmer has closed; Postwise runs hands-off and is winding down.
- Built the human-in-the-loop review and output filters OpenAI required of early GPT-3 products, keeping generated content within safe, expected bounds.
- Rebuilt Postwise's security under fire when an LLM-driven attack probed it continuously for a month, hunting for exposed endpoints.

Technical founder — WebProtect Jan 2019 – Sep 2021

- Built credential-theft monitoring and exposure-mitigation tooling for organisations and high-profile individuals; advised Fortune 500 clients on data-exposure risk.
- Discovered ~220 million Facebook users' phone numbers exposed on an unprotected server, a day after Facebook said the leak was offline; verified it live for CNET (also reported by The Verge).

Co-founder and CTO — Lightning Social Jun 2018 – Feb 2022

- Architected and built the company's platform for creator discovery, campaign analytics and ROI reporting across major-label music campaigns reaching over 800 million people.

Head of Innovation, founding team — Social Chain 2015 – 2017

- Founding-team technical lead at Social Chain (co-founded by Steven Bartlett, *The Diary of a CEO*). Built internal campaign systems and workflow automation replacing manual processes previously run by teams of 4–5, for clients including Microsoft, Apple, Universal, Amazon and Fox.

EDUCATION

De Montfort University — First-Class Honours, Technology and Innovation 2012 – 2015

- Final-year project: spatial-audio software for virtual reality, built with Two Big Ears (a company later acquired by Facebook) and showcased at Spotify HQ in Sweden. Spotify MIDIHACK winner, 2015.

TECHNICAL

Python, PHP (Laravel), JavaScript, Swift · LLMs: fine-tuning, evaluation, OpenAI and Anthropic APIs · PyTorch, GPU training on Modal · Security: exposure monitoring, incident response, hardening