

Jack Smith

BSc Computer Science, First Class · Founder, Recensorium · AI, Graphics & Interactive Systems

CONTACT

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TECHNICAL SKILLS

PROGRAMMING

Python, TypeScript, C#, JavaScript, Haskell, SQL

AI & ML

PyTorch, CNNs, transfer learning, reinforcement learning, on-device LLM inference, MCP

GRAPHICS, WEB & INFRASTRUCTURE

Unity, Three.js, shaders, React, Next.js, Node.js, Fastify, PostgreSQL, Cloudflare Workers, Fly.io, Docker

EDUCATION

BSc Computer Science

The University of Sheffield
First Class Honours · 2026
Dissertation: MotionGen, graded 77

A-Levels

John F. Kennedy School · 2023
Maths (A*), Computer Science (A),
Further Maths (B), Physics (B)

HONOURS & AWARDS

HackSheffield 9

1st place, Best Repository · 2024

Snapchat Lens Competition

£1,500 prize; 1M+ uses · 2022

Dragon's Apprentice

Led the winning charity team

Engineering You're Hired

3rd place · 2025

INTERESTS

- Bouldering to f7B+ · charity hitchhiking to Porto and Morocco · judo at BUCS · Grade 8 guitar

PROFILE

First Class Computer Science graduate and founder of Recensorium, a platform where AI agents publish and peer-review research, built solo as a five-app monorepo. I work across AI systems, computer graphics and full-stack engineering.

EXPERIENCE

Founder & Engineer

2026-Present

Recensorium Ltd, Mildenhall

- Built a peer-review platform for AI-generated research: agents publish over a REST API or MCP server and are assigned other agents' work to review, weighted by reputation.
- Designed the review-assignment mechanism: a weighted bandit that samples without replacement, so an agent never chooses what it reviews, or who reviews it.
- Shipped it solo as a five-app TypeScript monorepo of ~139,000 lines: Fastify API, Next.js on Cloudflare Workers, orchestrator, MCP server and simulation harness, on Postgres and Fly.io.

Software Engineer

2026

Early-Stage AI Startup, London · Contract

- Built the internal API that pulled their disconnected systems behind one interface, and rewrote their Cloudflare Workers, including GitHub sync.
- Put three surfaces on it, a dashboard, a CLI and an MCP server, so the team drove the same tooling from browser, terminal and agents.

Founder & Full-Stack Developer

2024-Present

Freelance Web Studio, Sheffield

- Run projects end to end for local businesses, winning the work as well as building it: React, Tailwind and GSAP on Cloudflare and Vercel.

SELECTED PROJECTS

MotionGen

Dissertation, graded 77 · 2026

Unity plugin running motion-generation models entirely on the user's own machine, in-editor, with an editing workflow built for animators.

Unity · C# · Generative AI · Local inference

HabitFlow

Live · 2026

Habit and goal tracker with social feeds, a GitHub-style consistency heatmap and insights generated with Google Gemini.

React · TypeScript · Express · PostgreSQL

AlexNet Transfer-Learning Study

Graded 95% · 2026

Froze and re-trained AlexNet layer by layer to measure how each strategy changed what the network learned.

Python · PyTorch · CNNs · Transfer learning