

Anton Gomes

+44 7584 428912 | aomlgomes@gmail.com | linkedin.com/in/anton-gomes | github.com/antongomes | antongomes.com

EDUCATION

University of Edinburgh

2021 – 2025

BSc (First Class Hons) Computer Science and Mathematics

Edinburgh, United Kingdom

- **Won 1st place from 100+ candidates** for undergraduate dissertation presentation.
- Courses included data science, applied ML, and OOP, probability, analysis, and operational research; weekly mathematics workshops fostered excellent problem-solving, collaboration and written and verbal communication skills.

RELEVANT WORK EXPERIENCE

UseNeuron — ML/AI Engineer

June 2025 – September 2025

AI Consultancy startup (est. Nov 2024)

Edinburgh, United Kingdom

- Developed custom AI agents for SMBs deployed on full-stack apps; for example **improved client's document processing efficiency from approx 1 day to 10 minutes**, delivering **>£100k ARR increase** with one solution.
- Worked end-to-end with non-technical clients to translate business needs into technical solutions, **leading weekly client meetings with up to 10 participants**.
- Gained system design and production AWS experience as a key developer on greenfield agentic workflow platform, managing three interns on this project.

Moonsift — ML/AI Engineer

Feb 2024 – June 2025

E-commerce startup (est. 2018)

Remote

- Developed web-based AI agent using LangChain, **automating 80%** of site configurations for Chrome extension, **reducing manual overhead by 600%**.
- Maintained and monitored analytics on Chrome extension **servicing 30,000+ users across 2,000+ integrations**, ensuring **99% uptime with < 6 hour incident response time**.
- Communicated directly with customers to translate support and feature requests into technical requirements.

University of Edinburgh ISG — Web Development Intern

Jun 2023 – Apr 2024

Leading ed-tech provider

Edinburgh, United Kingdom

- Designed and developed a scalable data processing platform, building a large-scale web-crawler to ingest, process, and monitor **800,000+ sub-sites**.
- Delivered MVP within 2 months, presenting demos across university teams and contributing to major CMS improvements that enhanced information access for students and staff.

PROJECTS

FieldClerk | B2B SaaS for job management platform with AI-assisted document generation

- Built full-stack job management platform with auth, file storage, and LLM integrations, deployed on AWS.
- Developed bespoke document generation pipeline with evaluation and automatic prompt refinement with RAG.

AutoTab | Guitar transcription using fine-tuning and transfer learning of Whisper

- Led development of an automatic guitar tablature transcription system built on transfer learning with the Whisper transformer architecture (speech-to-text model).
- Fine-tuned open-source foundation model, experimented with architecture variants eventually achieving **85% accuracy**.
- Designed and implemented data pipeline for collection, cleaning, and preparation of **600k+ web-scraped video-text pairs**.

Fashion-Forward | Data pipeline, EDA and neural recommender system (dissertation)

- Independently organised collaboration between university and Moonsift, showing ambition and ownership.
- Conducted EDA on proprietary e-commerce dataset (**180k+ products**), converting insights into effective results through feature engineering of *journey direction embedding* for novel lightweight product recommender.
- Developed data pipeline from raw product data in GCS to embeddings to neural recommender input.

SKILLS

- **Languages:** Python, TypeScript, HTML/CSS, LaTeX.
- **AI/ML:** PyTorch, LangGraph, LangChain, PydanticAI, GenAI APIs (OpenAI, Anthropic Google), MCP, fine-tuning open source foundation models.
- **Development:** Pydantic, PostgreSQL, FFMpeg, Linux, FastAPI, React, Node.js, Git.
- **Cloud Platforms:** Docker, AWS (ECS, AppRunner, Amplify, Cognito), GCP (BigQuery, Cloud Storage).