

David Okunfolami

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EDUCATION

Master of Science in Computing (Distinction)

Edinburgh Napier University

Jan. 2023 – Oct. 2024

Edinburgh, Scotland

Bachelor of Science in Computer Science (2:1)

Bingham University

Oct. 2017 – Nov. 2020

Nigeria

EXPERIENCE

Systems Analyst

Royal Mail

Apr. 2026 – Present

Edinburgh, Scotland

- Developed and maintained SQL queries for scheduled reporting pipelines and marketing data extracts
- Built VBA macros automating recurring administrative workflows, reducing manual processing time for operational teams

Full-Stack Developer (Volunteer)

Trip Cooks Travel Company

Nov. 2025 – Present

Remote

- Integrated the Shopify Storefront API into an existing Next.js 14 application, configuring API authentication, permissions, and environment variables
- Debugged build errors and resolved Vercel deployment issues within a Git workflow alongside another developer, liaising directly with non-technical founders

Full-Stack Developer (Volunteer)

Scottish Tech Army – Spotty Zebras PWA

Apr. 2026 – Present

Remote

- Building a multi-tenant Progressive Web App for a South Ayrshire charity: event booking, secure payments, and a support directory for vulnerable families
- Developing with Next.js and Supabase (PostgreSQL, Auth, RLS) and Stripe payment integration; work reviewed within a team workflow tracked in Jira

Statistical Modelling Intern

Hymans Robertson

Jul. 2025 – Oct. 2025

Edinburgh, Scotland

- Built a production equity forecasting system in R for 7 global markets using Azure DevOps, enabling scenario analysis for investment teams
- Implemented 3 forecasting methodologies with Leave-Future-Out cross-validation, 95% confidence intervals, and multiple error metrics (MAE, MAPE, RMSE)

PROJECTS

JobLens | *FastAPI, PostgreSQL, Vanilla JS, Anthropic API* | github.com/Dah-vid/JobLens

- Built and deployed a full-stack job tracking application (live, under active development): FastAPI backend, PostgreSQL (Neon), Vanilla JS frontend, hosted on Render
- Integrated the Claude API to extract structured data from job descriptions; own the full lifecycle from schema design through REST API to cloud deployment

Thermal | *FastAPI, Docker, GitHub Actions, Claude Vision API* | *Anthropic AI Expo Hackathon, Feb 2026*

- Founded and led Team Thermal; built the FastAPI backend and engineered a CI/CD pipeline running Ruff, pytest, and Docker builds on every pull request
- Integrated the Claude Vision API for drone image analysis; coordinated sprints in Jira; project received post-hackathon company outreach

Movie Box Office Prediction | *Python, BERT, SpaCy, NLTK* | *MSc Dissertation*

- Built an end-to-end ML pipeline predicting revenue for 7,000+ films using BERT embeddings, topic modeling, and custom web scraping; achieved 0.7217 correlation with actual revenues

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript/TypeScript, R, C#, VBA, HTML/CSS

Frameworks & Libraries: FastAPI, Next.js, Flask, ASP.NET MVC, Pandas, NumPy, NLP (BERT, SpaCy, NLTK)

Tools & Platforms: Docker, GitHub Actions, Git, Azure DevOps, PostgreSQL, Supabase, Vercel, SharePoint, Linux

AI & ML: Statistical Modelling, Forecasting, Machine Learning, scikit-learn, Anthropic Claude API (text and vision)