Andrei Alexandru

AI Engineer

Email:	alexandruciprian61@gmail.com
Location:	London, UK / Relocating to Switzerland
Date of Birth:	04.09.2000
Nationality:	Romanian
Work Permit:	EU citizen

PROFESSIONAL SUMMARY

AI Engineer with 3+ years of experience building production ML and LLM applications. Currently developing RAG-based systems and deploying fine-tuned models on Azure at RLB in London. Previously worked as a Graduate AI Engineer at Jaguar Land Rover on Computer Vision research and LLM development, and contributed to AI governance frameworks. Completed a 14-month industrial placement at JLR using ML to optimize the I-PACE traction control system. In 2025, shipped two AI products: Alimio (food waste app with AI vision, published on App Store and Google Play) and Nuree AI (real-time voice AI platform). BSc Computer Science (First Class) from University of Surrey with dissertation on Explainable AI.

TECHNICAL SKILLS

AI/ML:	Python, Machine Learning, Deep Learning, LLMs, RAG Systems, Computer Vision, Prompt Engineering
Cloud/Azure:	Azure OpenAI, Azure ML, AI Foundry, AI Vision, AI Speech, Azure Functions
Data:	SQL, NoSQL, Data Pipelines, Model Deployment, Fine-tuning, MLOps
Development:	TypeScript, Next.js, React, Flutter, REST APIs, Git, CI/CD (Vercel, GitHub Actions)
Other:	C, MATLAB, NVIDIA GPU Infrastructure, Supabase, Cloudflare

PROFESSIONAL EXPERIENCE

AI Developer   March 2025 – Present

RLB (Rider Levett Bucknall), London

- Design and deliver Gen AI and LLM-driven POC applications for enterprise clients in construction and property sectors
- Build RAG pipelines integrating Azure OpenAI with proprietary document repositories
- Deploy and fine-tune language models on Azure AI infrastructure (AI Foundry, Azure ML)
- Develop serverless AI components using Azure Functions and integrate with existing systems

Graduate AI Engineer   September 2023 – March 2025

Jaguar Land Rover, Coventry

- Developed ML solutions in the Computer Vision Research and AI department
- Built and evaluated LLM applications for internal tooling and workflow automation
- Contributed to AI governance frameworks; analysed EU AI Act requirements and wrote implementation documentation
- Collaborated with cross-functional teams to integrate ML into vehicle systems research

Software Intern – Industrial Placement   June 2021 – August 2022

Jaguar Land Rover, Coventry (Powertrain Department)

- Applied ML techniques to optimize the Jaguar I-PACE electric vehicle traction control system

- Developed production C code for traction control algorithms and MATLAB simulations
- Trained models using NVIDIA GPU infrastructure for performance optimization
- Placement extended from 12 to 14 months based on performance

AI PRODUCT DEVELOPMENT

Alimio – Food Waste Management App   Solo Founder, 2025

Flutter, Azure OpenAI (GPT-4), Azure AI Vision, Azure AI Speech, CI/CD
- Built and published full AI application on App Store and Google Play
- Implemented computer vision pipeline for automatic product and expiry date detection from photos
- Integrated voice input with natural language processing for hands-free operation

Nuree AI – ADHD Focus Platform   Founding Engineer (Contract), 2025

Next.js, Vercel, Supabase, ElevenLabs Real-time API, OpenAI, 3D Animation
- Sole engineer: architected and built entire platform from scratch
- Developed real-time voice AI coaching system with conversational interruption support
- Deployed production application with full authentication, database, and CI/CD pipeline

EDUCATION

BSc Computer Science (First Class Honours) – University of Surrey, UK   2019 – 2023

Dissertation: *Explainable AI / Neural Network Interpretability*
Developed method to extract interpretable decision trees from trained neural networks. Reduced decision tree complexity by up to 70% while maintaining accuracy. Applicable to XAI, model interpretability, and EU AI Act compliance.

LANGUAGES

English	Fluent (C2)
Romanian	Native
French	Basic (A1)

REFERENCES

Available upon request