



Nour Elfangary

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Education

UNIVERSITY OF GLASGOW – COMPUTING SCIENCE MSCI – JUNE 2026 EXPECTED GRADUATION

- Recipient of the World Changers Global Excellence Scholarship
- Class Representative - 2023 - present

Technical Skills

Languages	Frameworks/Libraries	Platforms/Tools
Python	React (Native) + Vue	Git
JavaScript / Typescript	Flask + Django	Docker
C / C++	Pytorch + Tensorflow	Google Cloud Compute / AWS / Azure
Java + C#	Ollama + Hugging Face	Unity + Godot
Haskell	Meta XR SDK + Niantic SDK	Linux (Arch, Debian)
Rust + Swift (learning)	OpenAI API + Whisper	Android + iOS

Projects

WORLD-LOCKED ONLINE AR VOXEL ART PLATFORM – 2025–PRESENT (MASTERS DISSERTATION RESEARCH PROJECT)

- A real-time, cross-platform AR app using the Niantic SDK, leveraging its Visual Positioning System (VPS) and live meshing to create a persistent, shared digital canvas over the physical world.

AR JUDGY FRIDGE – 2025 (RESEARCH INTERNSHIP PROJECT)

- A foundational prototype for an emotionally intelligent, conversational AI in augmented reality (AR).
- Integrates computer vision with large language models (LLMs) to understand and respond to human language and behaviour with visible, emotional feedback, simulating a natural exchange.

TRAILBLAZER – 2024-2025 (HONOURS DISSERTATION RESEARCH PROJECT)

- An exploration of interactions and visuals in mixed reality for the context of cycling.
- Designed a mixed reality gamified cycling experience inspired by *Snake* and *Tron* for the Meta Quest 3.

BABY ESCAPE – 2024

- An escape room in virtual reality where the player embodies a baby. Designed with the “grab move” locomotion technique to imitate crawling, and the use of microphone input for puzzle interaction.
- Developed in a team of 4, with a focus on providing unique XR interactions and mitigating cyber sickness.

NEUROARCADE – 2023-2024 (HONOURS TEAM PROJECT)

- A unified web app implemented with Django + React to display, process, and upload results from neuroscience research “brain games” played by humans and AI models hosted on third party platforms.
- Took on lead demonstrator role in an Agile Scrum team.

Professional Experience

GRADUATE TEACHING ASSISTANT – UNIVERSITY OF GLASGOW – GLASGOW, SCOTLAND – 2025–PRESENT

- Guiding honours students to deliver coursework which exceeds any self-imposed expectations of ability.
- Providing support to level 2 students in the understanding of concepts key towards their advancement.

RESEARCH INTERN – UNIVERSITY OF GLASGOW SCHOOL OF COMPUTING SCIENCE – GLASGOW, SCOTLAND – 2025

- Established a basis for ongoing research in affective computing, providing continued support and contributing to future academic publications beyond the internship period.

INTERN – G42 HEALTHCARE – ABU DHABI, UAE – 2023

- Working collaboratively with the strategy department to discuss company goals with research insight.