



Nour Elfangary

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Education

University of Glasgow – Computer Science MSci (2026)

- Electives specialising in theoretical computing and mixed reality development
- Class representative 2023-2024, 2024-2025

Skills

Languages

Python
JS / TS
C / C++
Java + C#
Haskell
Rust + Swift (learning)

Frameworks/Libraries

React (Native) + Vue
Django + Flask
Unity + Godot
OpenXR + MetaXR
ThreeJS + AFrame

Platforms/Tools

Git + GitLab C/I
Docker (Compose)
PostgreSQL
MiniZinc
Linux (Arch, Debian)

Projects

AUGMENTED REALITY CYCLING INTERACTIONS – 2024 (CURRENT DISSERTATION RESEARCH PROJECT)

An exploration of interactions with AR in the context of cycling.
Currently in research stages, aiming to create unique interactive spatial experiences.
Developed and tested with Meta SDK + Unity for the Meta Quest 3.

RHYTHM SWIPR – 2024 (DO YOU HAVE THE GUTS HACKATHON - GLASGOW UNIVERSITY TECH SOCIETY)

A mobile rhythm game built with Godot with swipe interaction for mobile.
Developed in a team of 4 in under 26 hours for the DYHTG hackathon competition.

NEUROARCADE (UNIVERSITY) – 2023-2024

A web app implemented with Django + React to display, process, and upload results from games played by humans and AI models hosted on third party platforms.
Developed in a team of 6, with an emphasis on coordination and review + use of GitLab C/I

PERSONAL WEBSITE – 2024-

A React-based portfolio site, deployed with Cloudflare Pages.
Perpetually incomplete; a learning tool for web design.

ONE-HANDED SWIPER (UNIVERSITY) – 2024

A proof-of-concept React-based web app for a swipe interaction prototype with playing cards.

CUISINE CRITIC (UNIVERSITY) – 2023

A Django-based restaurant review platform designed with TailwindCSS.

FISHING FUMBLE – 2020-2021

An online fishing game implemented with PHP and JavaScript Canvas.

Experience

INTERN, G42 HEALTHCARE; ABU DHABI, UAE – 2023

Working collaboratively with strategy to discuss company goals with research insight.

SUMMER CAMP COUNSELLOR, STUDIO REPUBLIK; DUBAI, UAE – 2020

Event organising and coordinating for kids of different age groups.