

EDWARD GOKMEN

edw4rd.e.g@gmail.com

EXPERIENCE

- Auros, Crypto HFT** Jul 2025 - Present
Strategy Developer London, UK
- Owner of a trading strategy
 - Responsible for developing, and maintaining, the libraries used by all strat devs to write strategy
 - Working across **C++20, Distributed Systems, Boost, python** and **Linux**
- Auros, Crypto HFT** Jun 2024 - Jul 2025
Exchange Connectivity Engineer London, UK
- Strategy developer for a trading strategy
 - Writing **lock-free algorithms** in **shared memory** to underpin the Market Data infrastructure
 - Supporting the operation of the live trading system
 - Working across **C++20, Distributed Systems, Boost, python** and **Linux**
- Helsing, Military AI Startup** Jan 2023 - May 2024
Senior Software Engineer London, UK
- **Sole patent inventor (EP4550271)** for placing assets in a planet-scale battlefield simulation
 - Responsible for developing and maintaing battlefield simulation software
 - Fine tuned foundation models in computer vision
 - Optimised pytorch models so that they would export as **ONNX**, and deployed computer vision models as **GRPC** services
 - Working across **Rust, Distributed Systems, Python, C++**, **Embedded Systems, Nix**, and **Unreal Engine**
- Mesmerix, Digital Twin Startup** Jul 2021 - Dec 2022
Head of Software Development London, UK
- Built the networking for a distributed system of robots which needed to cooperate to verify 10km2 of construction sites
 - Built a real-time streaming system to send video from robots on a construction site to HQ
 - Optimised a bespoke graphics engine, and h264 streaming
 - Wrote **cuda, spir-v**, and **opengl** code targeting nvidia's jetson nano
 - Worked across **C++20, Cuda, Rust, Linux, Distributed Systems, OpenGL**, and **GStreamer**
- Mesmerix, Digital Twin Startup** Aug 2019 - Jul 2021
Team Lead London, UK
- Built a graphics engine for simulating construction, and manufacturing, processes on nvidia's jetson nano
 - Wrote cuda, spir-v, and opengl code targeting Nvidia's Jetson Nano
 - Read papers on, and implemented computer vision algorithms as shaders that fit in the GPU cache
 - Worked across **OpenGL, C++17, Cuda**, and **Embedded Linux**
- JP Morgan, 5th Largest Bank** Jun 2019 - Jan 2020
Fixed Term Software Engineer London, UK
- Invented a non-parametric anomaly detection algorithm, and used this to automate a suite of trading products
 - Worked across **Python, Excel, VBA, SQL + NoSQL Databases**
- Mesmerix, Digital Twin Startup** Nov 2018 - Aug 2019
SLAM Engineer Bath, UK
- 'Hacked' ARCore to have it support preloading a 3D scan, and then not undergo loop closure
 - Worked across **Unity, C#, ARCore**, and **ARKit**

EDUCATION

University of Bath

Bachelor of Computer Science with Honours: Degree First Class (**4.0 GPA**)

LANGUAGES

English at Native Speaker **Polish** at Business Proficiency