

EDWARD GOKMEN

EXPERIENCE

Auros, Crypto HFT
Strategy Developer

Jul 2025 - Present
Strategy Developer

- Owner of a trading strategy
- Responsible for developing, and maintaining, the libraries used by all strat devs to write trading strategies
- Responsible for training junior team members
- Working across **C++20, Distributed Systems, Boost, python** and **Linux**

Auros, Crypto HFT
Exchange Connectivity Engineer

Jun 2024 - Jul 2025
Exchange Connectivity Engineer

- Improved fill latency p50 by 1-2 ms, and p99 by 5+ ms
- Strategy developer for a trading strategy
- Writing **lock-free algorithms** in **shared memory** to underpin the Market Data infrastructure
- Working across **C++20, Distributed Systems, Boost, python** and **Linux**

Helsing, Military AI Startup
Senior Software Engineer

Jan 2023 - May 2024
Senior Software Engineer

- **Sole patent inventor (EP4550271)** for placing assets in a planet-scale battlefield simulation
- Responsible for developing and maintaining battlefield simulation software
- 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
Head of Software Development

Jul 2021 - Dec 2022
Head of Software Development

- **Brought 6 figures of business to the company** within my first year as part of the sales effort
- **Lead the sales effort** for contracts targeting low 7 figures, and approximately **maintained approx. 100% YOY growth**
- Built the networking + simulation engine for system of robots capable of verifying the state of 10km2 of construction sites
- Built a real-time streaming system to send **h264 encoded video** from robots on a construction site to HQ
- Worked across **C++20, Cuda, Rust, Linux, Distributed Systems, OpenGL**, and **GStreamer**

Mesmerix, Digital Twin Startup
Team Lead

Aug 2019 - Jul 2021
Team Lead

- Built a graphics engine for simulating construction, and manufacturing processes on nvidia's jetson nano
- Worked across **Opengl, C++17, Cuda, Embedded Linux**

JP Morgan, 5th Largest Bank
Fixed Term Software Engineer

Jun 2019 - Jan 2020
Fixed Term Software Engineer

- Discovered, remedied, and built the infrastructure to avoid multiple 5 figure rounding errors in trading pipeline
- 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
SLAM Engineer

Nov 2018 - Aug 2019
SLAM Engineer

- '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