Igli Kristo

MSc Informatics: Artificial Intelligence & Data Science
University of Zurich

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Education

09.2025 - Present

University of Zurich, Zurich, Switzerland
MSc Informatics. Major: Artificial Intelligence (90 ECTS). Minor: Data Science (30 ECTS). Two-year programme; expected graduation 07.2027.
MSc project: Recursive Leverage in Yield-Bearing Stablecoins (Prof. C. Tessone / K. Gogol): on-chain panel for 23 large loopers on Aave v3 and Morpho Blue; HDBSCAN clustering; XGBoost + SHAP (ROC-AUC 0.90 / 0.98).
Modules include: Effective Software Testing (5.75), Seminar Blockchain Programming (5.50), Essentials in Text and Speech Processing (5.50), Enterprise Software, Reinforcement Learning, Vision Algorithms for Mobile Robotics, Advanced Topics in AI.

09.2020 - 06.2024

Royal Holloway, University of London, Egham, United Kingdom
BSc Computer Science. Bachelor's thesis: Comparison of Machine Learning Algorithms (from-scratch linear regression, KNN, SVM; k-fold CV / ROC).

09.2018 - 06.2020

Ashmole Academy, London, United Kingdom
A-Levels (school-leaving qualification).

Professional Experience

09.2026 - 12.2026

Teaching Assistant, University of Zurich, Computational Linguistics
Essentials in Text and Speech Processing (Dr. S. Ahmadi)

- Exercise sessions, student support, and grading; ∼50 h spread throughout the semester

06.2025 - Present

Blockchain Developer, FVC Asset Group Ltd, United Kingdom (remote)
Protocol design and delivery

- Designed and shipped a four-contract DeFi stack on Ethereum mainnet (token, sale, vesting, staking): USDC / USDT / ETH with Chainlink pricing, Gnosis Safe treasury, role-based access
- Own the technical follow-through: investor-facing infrastructure, audit process, and institutional onboarding
- Solana Student Day ideathon, 1st place (Apr 2026): pitched *FlowReserve* SME payment automation on Solana

06.2024 - 09.2024

React Developer, TakeNow, London, United Kingdom
Product engineering

- Worked on a live shop's Next.js app: in-store kiosks, online ordering, and the admin layer on Prisma and MySQL
- TypeScript on the frontend (Next.js, NextAuth); Prisma + MySQL on the backend; tRPC between the two

08.2023 - 09.2023

Data Science Intern, Zappi, London, United Kingdom
Analysis / modelling

- Built Concepts2Metrics with another intern: Python / Jupyter pipelines extracting insights from product concepts
- XGBoost and SHAP on concept features; versioned experiments on GitHub for handoff

Further Experience

09.2019 - 01.2020 — **Sixth Form Programming Instructor**, Ashmole Academy, London, United Kingdom
Teaching

- Led the school code club for Year 7 and 8 students while completing A-Levels: lesson materials and Python fundamentals

Selected Academic Projects

09.2025 - 12.2025 — **AI vs. Human Essay Authorship Detection** (Python, DeBERTa-v3, RoBERTa, SpaCy)
Text and Speech Processing team project; preprocessing and tokenisation on an 800k-sample corpus plus non-native hold-out. Ensemble evaluated on macro-F1 and false-positive disparity.
github.com/Igluminati/ai-authorship-detection

11.2025 - 01.2026 — **Visual Odometry Pipeline** (Python, OpenCV, NumPy)
Monocular VO (FAST, KLT, PnP RANSAC) with 100% pose success on 13,000+ frames; fused phone IMU with a Swiss cablecar recording for metric scale (4.2×) and barometric elevation to 1.2%.

09.2025 - 12.2025 — **Knowledge Graph QA Agent** (Python, SPARQL, SpaCy, Ollama)
ATAI agent over a Wikidata-derived graph: intent routing across SPARQL, TransE embeddings, recommendations, and multimedia; LLM for entity disambiguation and fallback. Deployed on Speakeasy with query logging.

Spring 2026 — **Enterprise Software: SAP and Dynamics 365**
Quote-to-Cash in SAP Business ByDesign; Dataverse entities in Dynamics 365 Sales; presented at Microsoft Zürich and Agilita Glatt Tower.

Language Skills

English	Native language
Albanian	Fluent
German	A1.2 (CEFR); A2.2 expected by graduation

IT & AI Skills

Programming	Python, Java, JavaScript/TypeScript, Solidity, SQL, C++, PHP, HTML/CSS, Bash, LaTeX
Machine learning / AI	scikit-learn, XGBoost, HDBSCAN, UMAP, SHAP, PyTorch, Gymnasium, Stable-Baselines3, SpaCy, Ollama; clustering, explainability, NLP, knowledge graphs
Computer vision	OpenCV, visual odometry, sensor fusion (camera + IMU)
Web and data	Next.js, React, React Native, Prisma, tRPC, NextAuth, pandas, NumPy, Jupyter, MySQL/MariaDB, Firebase
Blockchain	Hardhat, ethers.js, OpenZeppelin, Chainlink, Gnosis Safe
Tools	Git, Linux (Manjaro/Arch, Debian), Docker, SSH, Vim, Expo, Figma

Interests

Research interests	Fairness of language models; on-chain protocol design; visual odometry from phone cameras