

Teodor Fratiloiu

teodor.fratiloiu@gmail.com | linkedin.com/in/teodor-fratiloiu | +44 20 3239 8947

Located in London. Recent graduate of the TUM with an MS degree in Electrical Engineering. Specialized in Machine Intelligence and data, with a strong interest in the intersection of these fields. During my studies, I gained work experience in a hyper-growth environment (5x team-level, 3x company growth) at Celonis, Germany's and New York's highest valued startup. Furthermore, I have project and thesis ML experience, including architecture, deployment and data pipelines.

EXPERIENCE

Master's Thesis – Celonis & TUM (Munich)

Sep 2022 – Mar 2023

- Collected and engineered labelled training data to represent >12,000 trading decisions, architected and trained deep learning models to emulate human decision-making (in TensorFlow and JAX)
- Created pipelines to automate large-scale comparisons between "machine" and "human" decisions; had real-time analytics, including the identification of biases and the detection of anomalies.

Junior Information Security Analyst – Celonis (Munich), Part-time

Dec 2020 – Feb 2023

- Worked in a team to author and test BC/DR plans for EMEA and NA branches, conferred with stakeholders to account for critical data assets in 2 enterprise SaaS products hosted in a multi-cloud environment.
- Periodically reviewed access rights to cloud systems with up to 6-digit user counts; assessed the physical security of premises.
- Developed automations to collect over 50 classes of evidence for continuous compliance with ISO 27001 and SOC 2, performed assessments to harmonize audit controls across various frameworks.
- Assisted with developing information security policies, standard operating procedures, and corporate training material, including the management of automated phishing training for the entire organization.

Student Assistant – Introductory Information Security Courses at TUM

May 2020 – Jan 2021

- Subjects included encryption and secure protocols, reverse engineering for security research, and networks. I presented to students from Munich and Singapore via live or pre-recorded tutorials.

EDUCATION

Technical University of Munich (TUM) - Graduated

M.Sc. Electrical Engineering and Information Technology

2020 – 2023

Areas of focus: Machine Learning, Information Security and Automation

B.Sc. Electrical Engineering and Information Technology

2017 – 2020

Thesis about compressing ML models to fit on embedded devices (memory & compute constraints).

SKILLS

Cloud	AWS, Azure, GCP (incl. multi-cloud), Docker, Kubernetes
Coding	C (incl. embedded), C++20 (incl. HPC), JavaScript/TypeScript
Scripting	Bash/Shell, Python, UNIX systems and VMs, \LaTeX
Frameworks	TensorFlow, Keras, OpenCV, React, Node.js