

METIN LAMBY

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EDUCATION

Imperial College Business School

London, United Kingdom | Sep 2024 – Jun 2025

MSc in Financial Technology

Relevant modules: Big Data in Finance, Financial Econometrics in R/Python, Machine Learning and Finance, Applied Quantitative Macro Strategies, Computational Finance with C++, Investments and Portfolio Management, Markets and Securities

Technical University Munich (TUM)

Munich, Germany | Oct 2019 – Jun 2023

BSc in Information Systems

Relevant modules: Evidence Based Decisions Using Big Data Analytics, Data Analytics and Intelligent Systems, Business Analytics and Machine Learning, Programming, Algorithms and Data Structures, Statistics, Investment and Financial Management

Thesis: "Automated smart contract quality assurance" (static analysis of Ethereum and Algorand smart contracts using Python)

PROFESSIONAL EXPERIENCE

Swiss Re

Zurich, Switzerland | Sep 2023 – Mar 2024

Asset Management Tech Innovation Intern

- Gained first-hand experience in software development, IT governance and innovations in asset management domain
- Improved code quality insights and technical debt management by developing a technical debt analytics app for a key asset management application in 50% of the expected time; built on PostgreSQL with Python in Palantir Foundry
- Closed risk assessment gaps in >60 group asset management IT applications by evaluating group standard compliance on testing with production data, employing data analysis and risk management
- Enhanced knowledge across the organisation by producing upskilling material on blockchain, DeFi, tokenised real-world assets, and Bitcoin, which was shared on the companywide intranet; served as one of four core team members in enabling Swiss Re's first investment in a tokenised asset, deploying research and information simplification skills

360X

Frankfurt, Germany | Apr 2022 – Jul 2023

Working Student Tech & Legal

- Supported startup founding team of trading venue for blockchain-backed digital assets in tech and legal department
- Initiated the reduction in software bugs by launching structured quality assurance processes, adding over 100 automated and manual test cases into test management platforms, utilising attention to detail and problem-solving skills
- Improved software project management by implementing agile software development protocols, collaborating with tech, product, and legal teams, leveraging competency in agile methodologies and cross-functional coordination

Deutsche Börse Group

Frankfurt, Germany | Aug 2021 – Oct 2021

Big Data & Automation Intern

- Analysed Metaverse trends and presented research to the Group CEO, providing insights to support strategic decision-making and future investments
- Participated in SWIFT (Society for Worldwide Interbank Financial Telecommunication) Hackathon 2021 using AI and ML to detect financial transaction anomalies, showcasing collaboration and software development skills

PUBLICATION

"Trusting a Smart Contract Means Trusting its Owners: Understanding Centralization Risk"

- Presented research at "Conference on Blockchain Research & Applications for Innovative Networks and Services" in Paris
- Demonstrated the ability to solve complex problems and deliver impactful results within tight deadlines, regardless of prior expertise in the subject matter
- Keywords: blockchain, risk management, smart contracts, security, decentralised finance (DeFi)
- Link to publication: <https://ieeexplore.ieee.org/document/10316813>

ADDITIONAL SKILLS

Technical Skills

Python (proficient), Java (intermediate), R (intermediate), SQL (intermediate), JavaScript (basic), Solidity (basic), (Py)TEAL (basic), Excel (intermediate), Powerpoint (intermediate), Data Analysis (Palantir Technologies Certified), Probability Theory & Statistics (Delft University of Technology Certified)

Languages

German (native), English (fluent), Turkish (conversational)

EXTRA-CURRICULAR & INTERESTS

- Brazilian Jiu Jitsu (Blue Belt): leveraged disciplined training to maintain focus in high-pressure environments, manage stress, and improve resilience while being on a continuous journey of improvement and hard work
- Student entrepreneurship club (START Munich): collaborated with industry experts and students from diverse backgrounds to explore and develop innovative business ideas