

# METIN LAMBY

+44 7516787562   metin.lamby24@imperial.ac.uk   /in/metinlamby

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## EDUCATION

### Imperial College Business School

London, United Kingdom | Sep 2024 – Jun 2025

*MSc in Financial Technology*

Relevant modules: Mathematics for Finance, Financial Econometrics in R/Python, Computational Finance with C++, Big Data in Finance, Machine Learning and Finance, Investments and Portfolio Management, Ethics & Professional Standards in Finance

### Technical University Munich (TUM)

Munich, Germany | Oct 2019 – Jun 2023

*BSc in Information Systems*

Relevant modules: Programming, Algorithms and Data Structures, Business Analytics and Machine Learning, Data Analytics and Intelligent, Statistics, Investment and Financial Management, Financial Accounting, IT and Society

Thesis: "Automated Smart Contract Quality Assurance"

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## 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
- 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
- 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

### 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
- Thrived in fast-paced startup environment with entrepreneurial spirit, applying effective coordination with all business units
- 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 software quality assurance

### 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, displaying strong research, communication and public speaking abilities
- 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

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## PUBLICATION & PROJECT

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

- Contributed to scientific community by demonstrating importance of centralisation risk awareness in smart contracts
- Presented research at "Conference on Blockchain Research & Applications for Innovative Networks and Services" in Paris, utilising public speaking skills in front of academic audience
- Demonstrated the ability to solve complex problems, gain deep expertise and comprehensive knowledge, and deliver impactful results within tight deadlines, regardless of prior expertise in the subject matter
- Link to publication: <https://ieeexplore.ieee.org/document/10316813>

### Static Analysis of Ethereum and Algorand Smart Contracts

- Implemented Python application to automatically detect vulnerabilities in Ethereum and Algorand smart contract
- Extended open source software to help automate smart contract onboarding processes in centralised token exchanges
- Github repo: <https://github.com/MetinLamby/AutomatedSmartContractQAScripts>

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## ADDITIONAL SKILLS

### Technical Skills

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

### Languages

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

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## 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