

Torben Leowald

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EDUCATION

National University of Singapore

MSc in Finance, Technology in Finance Specialisation

Singapore

Aug 2021 – Jan 2023

- CAP: 4.93/5.00
- Teaching Assistant: Data Science and Machine Learning for the Department of Statistics and Applied Probability

Technical University of Munich

BSc in Management & Computer Science

Munich, Germany

Oct 2018 – Jul 2021

- GPA: 1.6/1.0 (1.0 is the best possible GPA on German grading scales)
- Final Thesis: “The Impact of Covid-19 Policy Measures on European Companies – An Empirical Analysis of Stock Market Returns”
- Seminar paper: “News Based Trading and Stock Price Prediction with Machine Learning Algorithms”

EXPERIENCE

National University of Singapore, NUS Business School

Academic Research with Assistant Professor Ben Charoenwong

Singapore

Apr 2022 – Aug 2022

- Contributed to 5 blog articles on proprietary trading activity of centralised exchanges and necessity for regulation of cryptocurrency exchanges in light of the DeFi lending and stablecoin crash in 2022
- Compiled a literature review of 30+ academic papers on role of regulation in crypto currency markets and macroeconomic impact of adoption of blockchain based currencies with focus on developing countries
- Determined a causal connection between California’s 2016 EV law on startup creation and funding in following years by applying difference in difference and other econometric regression models; paper is in process of publishing

Crystal Centre, Blockchain Centre at NUS

Applied Academic Research

Singapore

Nov 2021 – Apr 2022

- Oversaw development of a decentralised social media platform prototype ensuring privacy and data security based on federated machine learning algorithms using Go and React; worked together with three Ph.D. students and one masters student
- Designed business, incentive, and financial model of a decentralised social media platform using reputation score and blockchain based identity systems

TUM Boring, Student organisation

Founding Member and Finance & Legal Department

Munich, Germany

Nov 2020 – Jan 2022

- Managed financial department and accounts, ensured economic feasibility, and collected over \$500,000 in sponsorship grants
- Established legal structure of the organisation and negotiated sponsoring contracts with over 50 partners
- Built and set up a team of over 60 students, organised operational structure and interviewed more than 200 applicants
- Won the SpaceX “Not-a-Boring Competition” in September 2021 in Las Vegas

Technical University of Munich, Chair for Applied Software Engineering

Software Engineer & Teaching Assistant

Munich, Germany

Oct 2020 – Apr 2021

- Programmed front and backend setting up a secure interaction between an iOS device and a third party IoT device
- Coordinated project tasks of 6 developers and presented product review in front of 100 people
- Taught 100 students Swift programming by creating interactive online tutorials and teaching in small group coding sessions

TUM Hyperloop, Research and Development Program

Project Student

Munich, Germany

Oct 2019 – Jul 2020

- Conducted a feasibility study for city of Koblenz, considering a Hyperloop based post system serving 500,000 people
- Presented report to chair for Strategy and Organization at TUM and infrastructure ministry of Koblenz

ADDITIONAL INFORMATION

Languages: German (native), English (professional)

Technical Skills: Python & R (advanced), Java & Swift (intermediate), C++ & SQL & TensorFlow (beginner)

Interests: FinTech (member of the NUS FinTech Society), reading (50+ books a year), swimming (former national competitor)

Prizes: Prize for outstanding performance in physics competition and admission into German Physical Society

Volunteering: TUM Speaker Series (events with public figures at TUM), Start Munich (entrepreneurial organisation)