

EDUCATION

London School of Economics and Political Science

London, UK

Master of Science in Econometrics and Mathematical Economics

08/2024 – 06/2025

Courses: Portfolio Management, Risk Analysis, Econometric Analysis, Advanced Microeconomics, Adv. Macroeconomics

Risk Analysis Projects:

- Built end-to-end ML pipelines (LSTM, SVR, Random Forest) to forecast return risk and validate with RMSE and 95% VaR
- Developed EWMA/GARCH VaR simulators and autocorrelation/DCC analyses for portfolio and asset volatility

Technical University of Munich

Munich, Germany

Bachelor of Science in Management and Technology (specialization in Computer Engineering)

10/2021 – 02/2024

Grade: 1.2 (passed with high distinction)**Thesis:** The Impact of Economic Policy Uncertainty on Stock Returns: Evidence from Italy and Spain

Analysed the impact of economic policy uncertainty on stock returns using fixed effects OLS regressions, risk-adjusted returns calculated with Fama-French factors, and sector-specific interaction variables for Spain and Italy from 2010-2022.

Project Study: Future of Management Accounting and Steering for Customer Returns along a Global Value Chain**Example Courses:** Corporate Finance, Investment and Financial Management, Financial Accounting, Evidence-Based Decisions Using Big Data Analytics, Empirical Research Methods, Statistics, Functional Programming and Verification

Boğaziçi University

Istanbul, Turkey

Bachelor of Science in Industrial Engineering

10/2019 – 06/2021

GPA: 3.74/4

Transferred to Technical University of Munich

TED Hatay College Private Anatolian High School

Antakya, Turkey

Salutatorian

09/2015 – 06/2019

Grade: 99.97/100

EXPERIENCE

SAP & Technical University of Munich

Munich, Germany

Project Study

03/2023 – 06/2023

- Mapped B2B vs. B2C returns across three industries (chemical, machinery, component manufacturing) via seven enterprise interviews, pinpointing four core process stages from returns order creation to final disposition
- Co-authored a 47-page SAP/TUM report, embedding an IFRS-15 “right of return” framework alongside IAS 2 inventory write-downs, IAS 37 provisions and IFRS 9 credit-loss considerations
- Assessed legal compliance under German BGB (§ 357, § 437, § 440, § 446, § 475) and EU VAT Act § 17, plus industry regulations to map tax and liability impacts
- Specified SAP cloud-module requirements with SAP Signavio process-mining KPIs (returns count, processing time, scrap vs. refurbish ratios) to boost transparency and Economic Value Added

Center for Energy Markets at TUM

Munich, Germany

Student Research Assistant

07/2022 – 12/2022

- Synthesized insights from academic papers and industry reports on energy pricing and market structure
- Collected, cleaned and managed time-series financial data (electricity, gas, carbon) using Python and Excel, ensuring consistency for downstream analysis
- Supported a multidisciplinary team by documenting data workflows and preparing ready-to-use datasets for quantitative modelling

Young Guru Academy

Istanbul, Turkey

Brand Marketing Intern

07/2021 – 09/2021

- Contributed to the execution of national brand campaigns by developing digital content aligned with YGA’s mission of social impact
- Helped launch and grow YGA’s TikTok presence, tailoring short-form content to Gen Z audiences and increasing follower engagement
- Played a key role in content planning and promotion for YGA’s flagship annual event, leading to record-level digital participation

- Researched and analysed marketing performance data to provide actionable insights and improve campaign reach
- Designed collateral materials including pitch decks and visual assets used in stakeholder and partner presentations

UP School (EdTech Startup)

Istanbul, Turkey

Marketing Intern

07/2020 – 11/2020

- Built and managed the social media calendar across platforms to increase brand visibility and engagement
- Developed website content and executed SEO strategies, supporting a full-site revamp focused on user experience
- Created performance reports using analytics tools to inform content strategy and campaign planning

SKILLS AND INTERESTS**Technical:** Microsoft Office, R, Java, Ocaml, Python, Google Analytics**Languages:** English, Turkish, German (Beginner)**Certificates:** McKinsey Forward Program, GRE (Verbal R. 162, Quantitative R. 170), TOEFL (109)