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# METE DIBI

**Projects Portfolio: https://metedb.github.io**

## EDUCATION

**University of Edinburgh (UoE), Edinburgh** *(September 2023-August 2024)*
• **MSc in Computational Applied Mathematics**: **Distinction Grade (%75.4) (Equivalent to 3.70-4.00 GPA)**
*Relevant Coursework: Industrial Mathematics, Stochastic Differential Equations, Uncertainty Quantification, Methods for Causal Inference, Numerical Methods for Data, Research Skills for CAM, Bayesian Theory*

**Bogazici University, Istanbul** *(September 2018- June 2023)*
• **BSc in Industrial Engineering** *(Admission requires ranking in the top 0.05% in the National University Admission Exam)* **GPA: 3.56/4.00**
*Relevant Coursework: Operations Research, Object Oriented Programming , Systems Science & Simulation, , Advanced Probability & Statistics, Agent Based Modelling, Statistical Forecasting and Time Series, Queuing Theory Studies*
• **Minor Degree in Economics: GPA: 3.75/4.00** (Focus: Game Theory & Macroeconomics)

**Technical University of Munich (TUM)** *(April 2021 - August 2021)*
• **Erasmus-Exchange Study**
*Relevant Coursework: Machine Learning Methods and Tools, Graphical Models in Statistics*

## RESEARCH & INDUSTRY EXPERIENCE

**University of Edinburgh** (2024 June-August)
**MSc Thesis Study** *(Under Dr. Michael Nicholson & Dr. Craig Anderson from Institute of Genetics and Cancer )*
• Developed efficient simulation algorithms in Python using parallel programming to model mutation accumulation in human DNA
• Implemented statistical estimators to be used in patient cohorts with cancers of unknown origin, identifying whether the cause is due to external or internal factors
• Validated the estimator using simulated data, demonstrating accuracy across various biological scenarios and highlighting specific conditions where performance may decline

**Bogazici University, Istanbul** (2023 February-June)
**Teaching Assistant** *(IE 306.02: Systems Simulation, Organised by Dr. Aybek Korugan)*
• Supported the course focused on stochastic processes, queuing theory, discrete event simulations, and statistical analysis for Computer Science students.
• Developed applied, real-world problems for assignments by researching course material, graded assignments, and provided feedback to students
• Managed large datasets, data manipulation and cleaning for assignment preparation

**ortak, Istanbul** (2022 September-October)
**Founder's Team: Strategy Intern**
• Worked directly with the CEO and CPO, and contributed to the launch of an innovative FinTech platform
• Actively involved in every aspect of the startup, including competitor analysis, product roadmap, regulatory design
• Delivered thorough market insights on financial technologies to shape the platform's strategic direction

**Insider, Istanbul** (2022 January-May)
**CEO's Executive Office: Strategy Intern**
• Worked directly with the COO and CEO for a MarTech scaleup valued at over $1B. Regularly synthesised insights from complex data analyses, crafting coherent stories and constructing persuasive arguments for presentations to C-Suite
• Developed and refined key communication materials including investor updates, board meeting briefs, shareholder gatherings
• Prepared and graded quantitative case studies for candidate assessments across all levels in the strategy department, and assisted in interviews

**Yemeksepeti, Istanbul** *(Delivery Hero Turkish Subsidiary)* (2020 October-November)
**System Analyst Intern**
• System analysis, requirement gathering, functional design preparation for mobile application development and maintenance
• Participated in backlog grooming activities and agile SCRUM ceremonies such as daily standups, sprint review, sprint planning

## TECHNOLOGIES

**Programming Languages:** Python, R, SQL, C, Julia

**Data Science & Analytical Tools:** NumPy, PowerBI, pandas, Sci-Py, scikit-learn, Matplotlib, seaborn, ggplot2, joblib, Plotly

**Version Control & Collaboration:** Git, G-Suite, Microsoft Office, JIRA

## VOLUNTEER EXPERIENCE

**University of Edinburgh:**
• Participated in two sessions for prospective students of the MSc programme, sharing experiences and insights as programme ambassador
• Featured in video testimonials and promotional content, contributing to outreach efforts

**Bogazici University Music Association** *(BUMK):*
• Vocals for a band (over 30+ live performances) (2019-2024)
• Founder & Director of Sponsorship Committee (2019-2021)

**Bogazici University Radio Club**
• Radio Host (2017-2020)

## CERTIFICATES & ACHIEVEMENTS

**IELTS** (2022)
• Band 8.0/9.0

**Strategic Management Certificate, LSE Summer School** (2018)
• Received A+ Grade, within the top 5% of participants

**University Admission Exam** (2017)
• Ranked in top 500 in 7 different exams among 2 million candidates
• Awarded Presidential Scholarship for 5 years for outstanding success

**Deutsches Sprachdiplom Stufe II**, (German Language C1 Advanced Level Certificate) (2017)

**High School Admission Exam** (2011)
• Ranked in 1st place in Turkey (shared with 350 others) among 1 million candidates
• Secured admission into Cagaloglu High School, one of the oldest and internationally renowned elite high schools of Turkey