METE DIBI

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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** *(Being ranked in top 0.05 percentile in National University Admission Exam is required for admission to the programme)* **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)*

• Built efficient stochastic simulation algorithms in Python with parallelised approaches to model mutagenesis in humans
• Generalised an existing model of mutagenesis to account for transcription effects in genic regions
• Implemented statistical estimators to quantify the DNA damage responsible for cancer mutations, evaluating their accuracy across various biological scenarios.
• Using simulated ground truth data, concluded that the estimator is accurate in many biological scenarios, while reporting specific conditions where it may perform poorly

Bogazici University, Istanbul (2023 February-June)

Voluntary 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

• 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 & Operational Excellence Intern

• Worked directly with the COO and CEO, 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 (2020 October-November)

System Analyst Intern

• System analysis, requirement gathering, functional design preparation for application development and maintenance.
• Participated in backlog grooming activities and agile SCRUM ceremonies such as daily standups, sprint review, sprint planning

Yapı Kredi Bank, Istanbul (2020 August-September)

Process Management & Business Development Intern

• Analysed sales data, branch reports, and market research. Developed and reported strategies to increase sales, reduce costs, and improve stock management
• Developed a report on Generation Z's spending behaviours, proposing an interactive game to improve data collection and user engagement

VOLUNTEER EXPERIENCE

Bogazici University Music Association *(BUMK):*
• Founder & Director of Sponsorship Committee (2019-2021)

Boğaziçi University Radio Club
• Radio Host (2017-2020)

TECHNOLOGIES

Programming Languages: Python, R, Julia (Advanced), SQL, C, NetLogo (Intermediate)

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

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

CERTIFICATES & ACHIEVEMENTS

Strategic Management Course, 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