Doruk Ozel

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EDUCATION

DARTMOUTH COLLEGE   Hanover, NH

Bachelor of Engineering, Mech., Ops., & Sys. Engineering (ABET-accred. | SAT: 1530 (M: 770, R: 760) | Sept. 2022 - Jun. 2026
- Grant awardee of The Arthur L. Irving Institute Grant and FYREE Research in Engineering Grant

TUCK SCHOOL OF BUSINESS AT DARTMOUTH   Hanover, NH

Tuck Business Bridge Program   Nov. 2025 - Dec. 2025
- Completed a MBA-level business program on fundamentals in finance, valuation, strategy, and marketing
- Performed a team-based valuation analyses of Cricut Inc., which included financial and strategic assessments, a DCF analysis, and a final presentation to industry executives and faculty

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EXPERIENCE

BRISTOL MYERS SQUIBB   New Brunswick, NJ

R&D Operations Strategy Intern   Jun. 2025 - Aug. 2025
- Developed a deep knowledge in small-molecule manufacturing processes related to stability tests for FDA submission in solid tumor and non-small cell lung cancer immunotherapies ($12.3B revenue).
- Created cost models for both growth and legacy small-molecule product portfolios, segmenting Fee-for-Service (FFS) and Full-Time Equivalent (FTE) contracts to guide multimillion-dollar R&D capital allocation decisions.
- Deployed R&D operation cost tracking dashboards using Power BI to provide Director-level stakeholders with real-time manufacturing partner transparency.
- Led weekly executive presentations, delivering actionable recommendations to senior leadership that optimized vendor selection strategy.

CARBON RE (PARTNER OF UCL)   London, UK

Product Development Intern   Mar. 2025 - May 2025
- Joined Carbon Re's team, building an AI co-pilot that identifies energy inefficiencies in the process of cement and materials production to save 5% of fuel-derived emissions.
- Identified digital transformation synergies for AI co-pilot deployment for new production processes, including multiple government clients such as a UK-based wind turbine manufacturer.
- Created projections for clients in glass and steel manufacturing to quantify saved operating expenses, cutting >$5M in yearly variable costs.
- Developed statistical forecasts (Random Forest) in Python to predict which clients will report significant saved operating expenses.
- Designed a 300GB+ proprietary database to centralize disparate data sources, enabling more accurate forecasting and reporting for internal teams.

PWC (PRICEWATERHOUSECOOPERS)   Remote

Strategy & Operations Extern   Aug. 2024 - Oct. 2024
- Collaborated with a four-person team to implement an improved donor acquisition strategy using Social Impact and Theory of Change evaluation frameworks for a non-governmental agency, ACHIEVEability.
- Conducted 20+ stakeholder interviews to identify bottlenecks in reduced individual giving and grant writing.
- Deployed a geographical donor tracking platform to identify key resources and strategic landscape for nonprofit leadership, resulting in a 30% increase in commitment rates.

TECHNISCHE UNIVERSITÄT DRESDEN   Dresden, Germany

Machine Learning Researcher   Jul. 2023 - Aug. 2023
- Leveraged image processing to build a dataset of sheet metal surfaces, analyzing wear patterns and material removal rates in additive manufacturing methods.
- Applied predictive Bayesian estimation models to quantify tool height profiles and surface roughness for prototype testing workflows.
- Performed literature reviews on recent innovations in additive and machining manufacturing.

TECHNICAL SKILLS & PERSONAL

- Microsoft Power BI, Tableau, SQL, Python, R, Competitive Soccer, Skiing & Tennis.