

# Berke Derin Berktaş

Toronto, Canada  
brdrbr.github.io/website/

647-471-3502  
derinberke@hotmail.com

## Professional Profile

Emerging data scientist with roots in industrial engineering and computer engineering. Analyzer. Data interpreter. Experienced in preparing and interpreting data from a management engineering perspective. Driven by the power of data to shape and transform society.

## Education

**Master of Information (MI)** 2025 (*expected*)

Program: Human-Centred Data Science  
Faculty of Information, University of Toronto  
GPA: 3.93

Representative Courses: Data Analytics: Introduction, Methods and Practical Approaches, Introduction to Statistics for Data Science, Programming for Data Science

**Bachelor of Science (BSc)** 2023

Double Major: Computer Engineering, Industrial Engineering  
Faculty of Engineering, Koc University, Istanbul, Turkey  
Full-Ride State Scholarship (2019)  
Vehbi Koc Scholar (2021)

Representative Courses: Database Management Systems, Modeling and Simulation, Data Structures and Algorithms

## Selected Projects

**Multicriteria Disaster Management Model** 2023

*Research Project (Koc University)*

- Developed and tested a multiobjective resource allocation model for post-disaster scenarios in urban areas.

**Segmentation of Truck Drivers Based on Performance** 2022

*Course Project (Indr491 - Industrial Engineering Design)*

- Explored segmentation techniques of truck drivers based on performance metrics for Borusan Logistics Inc.
- Performed data cleaning, clustering with K-means, RFM, Gaussian mixture models, agglomerative clustering and PD cut.
- Applied various regression and neural network models.

## Professional Experience

**Researcher** 2022 - 2023  
Koc University, Istanbul, Turkey

- Researched disaster response management operations research models and explored methods to incorporate quantum integer programming.

### Teaching Assistant

2020 - 2023

Koc University, Istanbul, Turkey

- Held lectures for the Introduction to Programming with Python Course.

### Software Engineering Intern

2022

eKare Inc., Fairfax, United States

- Created an OpenCV C software for wound detection during surgical operations at US hospitals.
- Assisted with front-end and back-end development for the company website.

### Data Science Intern

2022

Arcelik Inc., Istanbul, Turkey

- Contributed to data visualization and manipulation projects on Qlik.
- Designed and implemented a predictive model with feature engineering.
- Presented findings from the model, leading to a 20% customer churn decrease.

### Software Engineering Intern

2022

Xtinge Inc., Istanbul, Turkey

- Assisted with the design of augmented reality-incorporated mobile games for both Android and IOS on Unity 3D.

### Software Engineering Club Board Member

2021-2022

Koc University, Istanbul, Turkey

- Held weekly lectures on Django-React front-end and back-end development.

### Software Engineering Intern

2021

InterTech Inc., Istanbul, Turkey

- Contributed to projects with Jira, Jenkins, and financial data and systems, such as trading platforms, risk management, and payment processing systems.

## Additional Experience

### Sailing Instructor

Summer 2019

Port Credit Yacht Club, Mississauga, Canada

### Sailing Instructor

Summer 2018

Etobicoke Yacht Club, Toronto, Canada

## Skills and Qualifications

Java	Flutter	Regression Analysis	Turkish (native)
JS	Unity	Classification	French (novice)
C	C#	Representation Learning	Competitive Sailing
C++	Python	Clustering	
Assembly	R	Statistical Testing	
React	SQL	Neural Network Algorithms	
Django	Qlik		
FastAPI	Microsoft Office		
Scheme	LaTeX		