



# Makbule Ozge Ozler

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## ● WORK EXPERIENCE

22 JAN 2024 – CURRENT Istanbul, Turkey

### GRADUATE PROJECT STUDENT BSH HAUSGERÄTE

- Learning e2e project.
- Business analysis.
- Testing and controlling integrations.

23 JAN 2023 – 2 NOV 2023 Istanbul, Turkey

### SOFTWARE CONSULTANT SELCO CONSULTING

- Learning Ortec program for transportation planning and optimization. Ord and Olo modules.
- Attending weekly customer meetings.
- Attending weekly meetings with Ortec implementation consultant team from Russia, Greece and Romania.
- Integration testing.

1 SEP 2022 – 22 JAN 2023 Istanbul, Turkey

### REGIONAL PRICING ANALYST MADAME COCO

- Execution of system entry for regional prices
- Prepare an action plan for country-based complaint management in terms of price, margins, price changes etc.
- Execute country-based label price changes with key stakeholders
- Developing strategic pricing function to increase income and arranging the unbalanced prices

1 SEP 2021 – 31 AUG 2022 Istanbul, Turkey

### RESEARCH AND DEVELOPMENT ENGINEER G TECHNOLOGY

- Assisting the director to manage the R&D center.
- Preparing monthly documents about both ongoing R&D projects and personnel working on these projects for TUBITAK (The Scientific and Technological Research Council of Turkey) which is equivalent to FWO in Turkish.
- Attending Enterprise Performance Management (EPM) and Big Data departments' summer academy.

12 FEB 2018 – 11 MAY 2018 Istanbul, Turkey

### QUANTITATIVE ANALYST (INTERNSHIP) EWE ENERGY

- Learning to Xpress program.
- Trying to model of electrical plant.

18 DEC 2019 – 31 AUG 2021 Istanbul, Turkey

### RESEARCH AND TEACHING ASSISTANT ISTANBUL KULTUR UNIVERSITY

- **Teaching assistant:** Laboratory sessions, problem-solving sessions: Introduction to Programming, Object Oriented Programming, Design of Experiments, Engineering Economics, Simulation Modelling
- **Administrative work:** Student Advising, Internship Projects Controlling, Evaluating of End-of-Term Course Surveys, Managing Department Web Site, Controlling Graduation Projects, Proctoring

## ● EDUCATION AND TRAINING

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10 OCT 2022 – CURRENT Istanbul, Turkey

**PHD (ACADEMIC PREPARATION YEAR)** Yildiz Technical University

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· BLM 3051 Data Communication · BLM 3041 Database Management · BLM 3011 Operating Systems · BLM 2512 Data Structures and Algorithms · BLM 2022 Computer Hardware · BLM 3722 Software Engineering · BLM 5111 Object Oriented Design and Modeling · BLM 5134 Data Processing Techniques for Mobile Technologies

**Field of study** Computer Engineering | **Level in EQF** EQF level 7

16 OCT 2017 – 24 AUG 2020 Istanbul, Turkey

**MASTER'S DEGREE** Galatasaray University

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Thesis was about:

- Mathematical model
- Problem with two objectives that were high capacity utilization and minimum transportation costs
- Hub-covering problem
- Real life case
- Applicable in the design of cargo distribution, airline passenger transport and telecommunication networks.

**Field of study** Industrial Engineering | **Final grade** 3.5 | **Level in EQF** EQF level 7 |

**Thesis** Hub Covering Flow Problem with Hub Utilization

3 OCT 2011 – 24 JUN 2016 Istanbul, Turkey

**BACHELOR'S DEGREE** Yeditepe University

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- Statistical Process Control (SPC) Tools (flow chart, pareto chart, fishbone diagram, control charts)
- Design of Experiment (DOE) –Taguchi's Approach
- A special apparatus design

Courses that are related to my research interests:

- ES 363 Manufacturing Processes (AA)
- ES 162 Fundamentals of Material Science (AA)
- ISE 451 Statistical Quality Control
- ISE 457 Forecasting Techniques

**Field of study** Industrial and System Engineering | **Final grade** 2,84 |

**Thesis** Manufacturing Process Improvement by using Taguchi Approach

17 AUG 2019 – 21 SEP 2019 Istanbul, Turkey

**APPLIED DATA SCIENCE AND MACHINE LEARNING BOOTCAMP PARTICIPATION** "Let's Code" Association

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**Field of study** Machine Learning

27 JAN 2020 – 2 FEB 2020 Istanbul, Turkey

**MACHINE LEARNING SCHOOL PARTICIPATION** Organized by S.Ilker Birbil

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-Topics: Linear Regression, Dimension Reduction and Regularization, Classification and Trees, Unsupervised Learning, Artificial Neural Network and Deep Learning

5 JUL 2021 – 16 JUL 2021 Istanbul, Turkey

**BIG DATA SUMMER ACADEMY PARTICIPATION** G Tech

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- first contact to Big Data technologies.

10 JUL 2018

**FRENCH LANGUAGE COURSE** Institute Français Istanbul

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**Field of study** Certificat De Fin De Niveau (Élémentaire B1) | **Final grade** (79.5/100)

Field of study English proficiency | Final grade (95/120)

ISTANBUL, Turkey  
INTRODUCTION TO CYBERSECURITY CISCO

Website <https://www.credly.com/earner/earned/share/f7dc73e4-9fcb-4fb2-9c26-60a3032e6af4>

ISTANBUL, Turkey  
DATA ENGINEERING ESSENTIALS Coursera

Website <https://www.credly.com/earner/earned/badge/d0d2c45d-6ff7-4c89-8b87-520276923e89>

ISTANBUL, Turkey  
PYTHON PROJECT FOR DATA ENGINEERING IBM

Website <https://www.credly.com/earner/earned/badge/6a4b3376-9912-476d-a8ae-a38f0c7ecbab>

24 JUN 2024 – 4 AUG 2024 Istanbul, Turkey  
INTERN GRADUATE RESEARCHER Koç University Surface Science and Technology Center (KUYTAM)

Graduate internship which is responsible for the statistical examination of archaeometric data obtained from the analyses of tiles at Iznik Tile Kilns Excavation site with Raman and pXRF, under supervision of Gülsu Şimşek Franci.

Field of study Engineering, manufacturing and construction

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**  
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	B1	B1	A2	A2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft SqlServer | C++ | C# | C | GAMS | Xpress | Minitab | Autocad | XML/XSL | Weka | Arena | Jira | MATLAB | PL/SQL | Python | HTML/ CSS | JavaScript | Hyperion HFM

PROJECTS

"Let's Code" Graduation Project 1: Predictive Maintenance

Two estimations are obtained by using the Azure dataset, which is related to a machine in terms of vibration, voltage, and other many aspects: Whether a machine is going to be broken or not and which component(s) of the machine causes to break. For the first estimation, logistic regression, naive bayes and knn models are used and 70-83% success rates are obtained. For the second one, about %80 success rate is obtained by applying knn and linearSVC.

"Let's Code" Graduation Project 2: Analysis of Advertisement Clicks

Missing value analysis is done. At which age intervals, in which countries, and at what intervals the clicks are more intense were observed? As logistic regression and naive bayes are applied, the success of the model is observed in 90%.

ELECTIVE COURSE PROJECT (INF 516) Galatasaray University (Computer Engineering Department)

- Voluntarily attendance to the course. Term project for INF516 Wearable and Mobile Computing course. In this report, what we have learned during the semester was practiced. Sensor types are learned, and real sensor data are analyzed for the first time. Different sensors from several people are collected by a smartwatch. These data are used for hand washing detection activity. Later, hand washing activity is compared with hand sanitizer activity sensors. Results are presented.

## **ELECTIVE COURSE PROJECT (IND 561- Artificial Neural Networks) Galatasaray University (Industrial Engineering Department)**

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1. Dataset with 16382 instances with classes of (if y=1) fall and (if y=0) not fall. In the original version of the dataset, classes were 6 classes such as 0- Standing, 1- Walking, 2- Sitting, 3- Falling, 4- Cramps, 5- Running. They are changed binary variables for fall or not fall. Attributes are TIME (monitoring time), SL (sugar level), EEG, BP (blood pressure), HR (heart rate), and circulation. They were all numeric.
2. Anomaly Detection, Logistic Regression, Regularized Linear Regression and Bias vs. Variance, Artificial Neural Network methods were applied. Results were visualized and compared.

### ● **DRIVING LICENCE**

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**Driving Licence:** B

### ● **VOLUNTEERING**

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Galatasaray University

#### **Animal Feeding**

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Distributing food to university cats during the Covid pandemic.

#### **Subtitle Translating**

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For a certain period, from English to Turkish (Tv series in <https://www.koreanturk.com> and CS50x course for WeCode! association which is Kodluyoruz in Turkish)