

# CV - Raci Berk İSLİM



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## Education

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|----------------------------|--|--------------------|
| <b>PhD</b><br>2022-Present | <b>Sabancı University</b><br>Industrial Engineering            |                    |
| <b>MSc</b><br>2019-2022    | <b>Sabancı University</b><br>Industrial Engineering            | <b>GPA: 3.85/4</b> |
| <b>BSc</b><br>2016*-2019   | <b>Istanbul Technical University</b><br>Industrial Engineering | <b>GPA: 3.84/4</b> |
| <b>BSc</b><br>2014-2016*   | <b>Marmara University</b><br>Industrial Engineering            |                    |

**Important Note(\*):** I made inter-academic undergraduate transfer from Marmara University to Istanbul Technical University in 2016.

## Research Interests

- Vehicle routing, electromobility, location planning, sustainable transportation and supply chains, mathematical modeling and optimization methods

## Work Experience

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|---|---|
| <b>Sabancı University</b><br>2022 March – Present                 | <b>Research and Teaching Assistant</b><br>Course assisted:<br>Information Systems (IE 413)<br>Graduation Project (Design) (ENS 491)<br>Operations Research II (IE 312)  |
| <b>Istanbul Technical University</b><br>2020 October – 2022 March | <b>Research Assistant in the Department of Management Engineering</b><br>Course assisted:<br>Quality for Engineers (ISL334E)<br>Operations Research (ISL 323E)<br>Optimization Models and Applications (ISL 448E) |
| <b>Sabancı University</b><br>2019 September –Present              | <b>Teaching Assistant</b><br>Course assisted:<br>Quality Planning and Control (IE 403)<br>Production and Service Systems Planning and Design (IE 304)   |

## Course Assistantship Duties

- Grading the exams/quizzes/case studies/homework/projects  
► Holding recitation&problem-solving sessions and office hours  
► Exam proctoring

## Research Assistantship Duties

- Evaluating summer internship reports of undergraduate students  
► Student consultancy during course registration periods  
► Organizing course materials for audits

## Research Experience

- Conference Proceeding**  
2022  
► The effect of battery degradation on the route optimization of electric vehicles (with Bülent Çatay)  
► doi: 10.1016/j.procs.2022.08.118

**Book Chapter**  
2022

► A Goal Programming Model for Optimizing the Reverse Logistics Network of Glass Containers and an Application (with Şule İtir Satoğlu and Hakan Durbaba)  
► doi: 10.1007/978-3-031-08782-0\_12

**Master's Thesis**  
2022

Charge Scheduling and Route Planning of Commercial Electric Vehicles by Considering the Effect of Battery Degradation

**Presentations in Conferences**

**EURO 2022**

July, 2022, Espoo, Finland

Charge scheduling and route planning of commercial electric vehicles by considering the effect of battery degradation (with Bülent Çatay)

**iSCSi 2022**

March, 2022, Porto, Portugal

The effect of battery degradation on the route optimization of electric vehicles (with Bülent Çatay)

**GJCIE 2021**

October, 2021, Online

A Goal Programming Model for Optimizing the Reverse Logistics Network of Glass Containers and an Application (with Şule İtir Satoğlu and Hakan Durbaba)

**40<sup>th</sup> Congress on OR/IE (National)**

July, 2021, Online

Effects of Battery Degradation on Charge and Route Planning of Electric Freight Vehicles (with Bülent Çatay)

**Research and Industrial Projects**

**TÜBİTAK 1001 Program**

2019 October – 2020 October

**New Models and Efficient Solution Methods for the Electric Vehicle Routing Problem**

Project Member

**Unilever**

2019 February-June

**Chain Reaction: Industry X.0 – “U-AGV Project Member”**

► Specifying the AGV design needs according to requirements of Ice Cream Factory

**Scholarships**

**TÜBİTAK 1001 Program**

2019 October – 2020 October

**Master Student's Scholarship**

**Sabancı University**

2019 September – Present

**Full Scholarship**

► Covers full tuition fee exemption, monthly net stipend and dormitory or road fee support

**Language Skills**

► **Turkish** Mother tongue    ► **English** TOEFL iBT: 91    ► **German** A2.1

**Computer Skills**

► **MS Office** Good    ► **Python** Low. Inter    ► **GAMS** Intermediate  
► **AutoCAD** Good    ► **Java** Good    ► **LINDO** Intermediate  
► **Minitab** Good    ► **Gurobi** Intermediate    ► **CPLEX** Good