

CURRICULUM VITAE

Name Surname: Şimal Ekin Demiral

Birth Date: 23.02.1997

Birth Place: İstanbul

Title: Research Assistant

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Education:



Degree	Department/Program	Institution	Year
M.S.	Industrial Engineering	Işık University	2021-
B.S.	Industrial Engineering	Işık University	2021
Erasmus	Industrial Engineering	Rhein-Waal University	2020

Master's Thesis Title and Thesis Supervisor:

Title: Opportunistic Maintenance of Complex Systems using Dynamic Bayesian Networks

Supervisor: Asst. Prof. Demet Özgür Ünlüakın

Academic and Professional Experience:

Experience	Institution	Year
Research and Teaching Assistant	Işık University-Industrial Engineering	2023-
Scholarship Assistant	Işık University-Industrial Engineering	2022-2023
Intern	Standart Pompa ve Makina Sanayi Ticaret A.Ş.	2020
Student Assistant	Işık University-Industrial Engineering	2019
Intern	Arçelik-LG Klima Sanayi ve Tic. A.Ş.	2019

Roles in Projects:

Researcher - BAP 22A203, "Opportunistic Maintenance of Complex Systems using Dynamic Bayesian Networks", Işık University (June 2023 - September 2024)

Scholarship Student - BAP 22A203, "Opportunistic Maintenance of Complex Systems using Dynamic Bayesian Networks", Işık University (September 2022 - June 2023)

Administrative Experience:

Operations Research Laboratory Assistant

Courses Assisted:

Academic Year	Course Name	Instructor
2024 Spring	Operations Research I	Asst. Prof. Füsün Recal
2023 Fall	Operations Research I	Asst. Prof. İsmail Kayahan & Asst. Prof. Füsün Recal
2023 Spring	Operations Research I	Asst. Prof. Füsün Recal
2022 Fall	Operations Research I	Asst. Prof. İsmail Kayahan
2022 Summer	Operations Research I	Asst. Prof. İsmail Kayahan
2022 Spring	Operations Research II	Asst. Prof. İsmail Kayahan

Publications:**Conference presentations with abstracts published in international conferences**

Şimal Ekin Demiral & Demet Özgür-Ünlüakın (2023). Modelling the Degradations and Dependencies of CNC Machines using Dynamic Bayesian Networks. *6th European International Conference on Industrial Engineering and Operations Management*, Lisbon, Portugal, July 18-20, 2023.