

# AHMED ALQERSHI

OPERATIONS RESEARCH ANALYST

## CAREER OBJECTIVE

To deliver exceptional results to clients by applying technical skills in programming, operation research, and optimization, while continuously improving and adapting to changing environments. Seeking opportunities to lead and collaborate in a positive work environment that values trust, respect, and open communication.

## SOFT SKILLS

- Communication
- Adaptability
- Continuous learning
- Leadership & Teamwork
- Attention to detail

## HARD SKILLS

- Programming: Python, Java, C#
- Optimization: GAMS, Gurobi
- Simulation: ARENA, Simio
- Microsoft Office
- Artificial Intelligence
- Object Oriented Programming

## LANGUAGE SKILLS

- ARABIC - Native
- ENGLISH - Fluent
- TURKISH - Intermediate

## VOLUNTARY WORK

- Orientation volunteer for new students (2019)
- Vice President of AIA club (2019-2022)
- Event manager of AGU Interactive Lounge (2020-2022)

## EDUCATION

### MASTERS IN COMPUTER ENGINEERING

Abdullah Gul University, Turkey | 2023 - 2025

3.96/4 CGPA

### BACHELORS IN INDUSTRIAL ENGINEERING

Abdullah Gul University, Turkey | 2018 - 2022

3.84/4 GPA - Top of the batch

## WORK EXPERIENCE

### OPERATIONS RESEARCH ANALYST

GAMS DEVELOPMENT CORPORATION  
09.2022 - Present

Germany  
Remote

- Integrated new algorithms to solve Multi-Objective Problems using Python and GAMS.
- Conducted performance analysis on multiple versions of software using data analysis techniques
- Developed and executed comprehensive unit tests for Python and C# APIs to ensure software quality and functionality.
- Utilized Doxygen to generate comprehensive documentation for a C++ API.

### CONTINUOUS IMPROVEMENT INTERN

STRYKER CORPORATION  
07.2021 - 06.2022

Türkiye  
Full time

- Led a Value Stream Mapping project to map Value in the facility, spot problems, and suggest solutions
- Developed a simulation model to test the effectiveness of the Pull System
- Utilized data mining techniques through Excel and Python.
- Developed and implemented a web-based application for optimizing weekly demand scheduling.
- Designed and developed a program to automate monthly 5S audit reports' distribution to station leads.

### PLANNING INTERN

HES KABLO  
10.2020 - 06.2021

Türkiye  
Part time

- Developed a simulation model to spot problems in the production line
- Used mathematical optimization techniques to find the optimal production schedule (Takes hours to obtain the optimal solution)
- Developed an algorithm for scheduling giving a sub-optimal solution in a second
- Used Python to design a User Interface for planning production schedules based on changing demand
- Achieved an increase in production capacity by around 32%

## AWARDS & ACHIEVEMENTS

- AGU Top Achiever for top CGPA: 2020-2022
- Certificate of Merit for top student
- MARS Logistics competition: 3rd place