

mapelit99@gmail.com
(437) 366-1021

Mehmet Ali Pelit

linkedin: /mehmet-ali-pelit
github: /malipelit

Motivated software engineer with a Master's degree in the area of AI and Machine Learning. Strong problem-solver with excellent organizational skills, able to deliver quality work under tight deadlines, and adapt to new technologies.

RELEVANT SKILLS

Languages: Python, C++, C, C#, JavaScript, TypeScript

Frameworks: .NET, OpenCV, Sockets, PyTorch, TensorFlow, React, Node.js

Technologies: Git, MongoDB, Linux, TCP, UDP, CAN, Machine Learning, Reinforcement Learning, Web Development

EDUCATION

University of Waterloo

Waterloo, ON

M.Eng. in Computer Engineering

Jan 2024 – Apr 2025

- **Concentrations:** AI & Machine Learning
- **Coursework:** Advanced Reinforcement Learning, Image Processing, Foundations and Methods of Software Eng., Data Modelling & Analysis, Algorithm Design, Intelligent Wireless Sensor Networks

Orta Dogu Technical University

Ankara, TURKEY

B.S. in Electrical & Computer Engineering

Oct 2018 – Jul 2022

- **Concentrations:** Computer Engineering
- **Coursework:** Data Structures, Computer Networks, Optimization, Microprocessors, Computer Architecture

WORK EXPERIENCE

Ayata E-Commerce Corp.

Toronto, ON

Fulfillment Center Manager (Python, Web scraping, BeautifulSoup)

Dec 2022 – May 2023

- Developed web bots to automate Amazon processes, reducing manual effort and increasing efficiency.

ASELSAN

Ankara, TURKEY

Software Engineer (C++, C#, .NET, Microservices, Sockets, MongoDB)

Oct 2021 – Oct 2022

- Worked on a development project about upgrading a monolithic system to a microservices architecture.
- Created test cases and applied them to a CAN-Bus communication unit of the system.
- Debugged and found unexpected errors in the communication part of the project via doing reverse engineering.
- Documented all the findings in Confluence and presented the explanation of the issues to the team and the leader.
- Developed a log observer GUI app (look at the project “XML-log Observer” in “Projects” section for further details)

Micro Biosystems Inc.

Ankara, TURKEY

Software Engineering Intern (MATLAB, Windows Application)

Sep 2021 – Oct 2021

ASELSAN

Ankara, TURKEY

Software Engineering Intern (C#, Sockets)

Jul 2021 – Aug 2021

PROJECTS

- **Group Course Project (2025) Reservation Scheduler:** Designed a reservation scheduler web application. Used Typescript and React for front-end and Node.js for back-end.
- **ASELSAN (2022) XML-log Observer Application:** Created a log observer GUI that receives XML messages via UDP over Ethernet and deserializes them for user display. Used the Krypton GUI framework to enhance usability. Implemented events and multithreading to manage high-speed, large data challenges, with data stored in MongoDB.
- **Group Capstone Project (2021) Home Security System:** Aimed to create a comprehensive Smart Home Security system. It utilized image processing on a Jetson Nano for face detection, recognition, object detection, and human pose detection. It also featured window sensors for added security and a cloud-based database to log all activities.