

MELIS ATAGUN

New York | 607-312-8915 | atagun.mel@gmail.com

EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Bachelor of Science in Computer Science

May 2024

Istanbul Technical University

Bachelor of Science in Information Systems Engineering

May 2024

TECHNICAL SKILLS

Programming Languages: Python, Dart, Flutter, SQL, Java, C, C++

Software Tools: Visual Studio Code, Xcode, Jupyter Notebook, PyCharm, Git, GitHub, Google Collab

Data Analysis and Visualization: OpenCV, Matplotlib, Pandas

Additional Courses: Data Mining, Multimedia Systems, Design Patterns, Cyber Security

WORK EXPERIENCE

RxRefund | Binghamton, New York

September 2023 - May 2024

- Configured Amazon Web Services Elastic Compute Cloud (EC2) servers by using the AWS Cloud Practitioner training.
- Restored and managed Postgres databases using pgAdmin, integrating database knowledge with existing codebase.
- Developed web functionalities for file upload and archiving using Flask, enhancing user and company interfaces on the website.
- Created HTML files and developed necessary backend functions to establish database connections, facilitating efficient data management and user interaction.

FNSS Defense Systems | Ankara, Turkey

July 2023 – August 2023

- Installed Flutter SDK and configured Android Studio, enhancing cross-platform development capabilities. Gained experience in Flutter's interactive interface design.
- Analyzed the company's website to integrate essential vehicle data into the mobile app. Designed a user interface categorizing vehicles, and developed an API using SQLite and Flask, facilitating data accessibility in JSON format.
- Investigated the application of machine learning algorithms, focusing on KNN classification and Linear Regression, to enhance vehicle data analysis and classification capabilities.

Nelit Advanced Technologies | Ankara, Turkey

May 2023 - June 2023

- Gained practical understanding and application of fundamental network concepts. Developed a foundation in OSI Layers.
- Acquired skills in using Cisco Packet Tracer for designing and testing network topologies. Practiced NAT interface configuration, enhancing the ability to simulate network environments effectively.
- Learned DNS management techniques. Managed Active Directory environments, concentrating on user and group policy management. Additionally, engaged in setting up and managing DHCP for efficient network address allocation and management.
- Developed virtualization technologies, using Oracle VM VirtualBox. Gained experience in creating and managing multiple virtual environments.

PROJECT EXPERIENCE

PixAnimals

April 2024 - Present

- Gained experience in application development by collaborating in a three-person team on the design phase of PixAnimals, a time management app aimed at controlling social media usage.

Binghamton University Rover Team, Autonomy Sub-team | Binghamton, New York

October 2022 – December 2023

- Design and implement marker detection using GPIO pins and Raspberry Pi which can successfully detect ArUco tags required for the Autonomous Navigation Mission.
- Developed code to read orientation and acceleration data from the IMU in the RealSense camera.
- Created an adapter code using Raspberry Pi and Serials that can read real-time latitude and longitude data from Rover.
- Searched for different autonomous pathfinding algorithms.

EXTRACURRICULAR ACTIVITIES

Binghamton Ballroom Dance Team

September 2023 - January 2024

Turkish Culture Association (TURCA), Treasurer | Binghamton, New York

September 2022 - May 2023

- Organized fundraising events in response to the 2023 Turkey earthquake, engaging with local media and raising approximately \$6000, which was donated to those affected by the earthquake.

CERTIFICATIONS

PMI (Project Management Institute) Virtual Experience Series: PMXPO

March 2022

- Gained knowledge in Agile project management methodologies and learned about industry advancements.

Data Analysis Training, Global AI Hub

October 2022

- Practiced basic concepts of data analysis, Tufte's Design Principles and Simpson's Paradox, etc.

ACM Coding Competition

December 2022

IEEE IZU CS CAMP'21

December 2021

Mentora College Youth Program, Washington DC

August 2021