

# Tamer Guven

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## EDUCATION

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<b>The University of Manchester</b> <i>Bachelor of Science with Honours in Computer Science—Expected First-Class Honours</i>	Manchester, UK Sep 2025 – Jun 2028
<b>FMV Erenkoy Isik High School — International Baccalaureate (IB) Diploma</b> <i>Higher Level (HL): Mathematics: Analysis &amp; Approaches, Physics, English</i>	Istanbul, Turkey Sep 2021 – Jun 2025
<b>HU University of Applied Sciences Utrecht</b> <i>Introduction to Artificial Intelligence, Machine Learning and Neural Networks</i>	Utrecht, Netherlands Jul 2023

## EXPERIENCE

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<b>Mentor, FIRST Robotics Competition Team Mostra</b> <i>Istanbul Technical University</i>	Nov 2024 – Present Istanbul, Turkey
<ul style="list-style-type: none"><li>Delivered two years of Java and electrical training to over 15 team members</li><li>Engineered and optimized autonomous and vision systems in Java using sensor feedback for real-time control</li><li>Led the software subteam and coordinated overall project strategy, teamwork, and competition preparation</li></ul>	
<b>Captain, FIRST Robotics Competition Team Flare</b> <i>FMV Erenkoy Isik High School</i> <i>Team Captain</i>	Sep 2021 – Jun 2025 Istanbul, Turkey Jul 2023 – Sep 2024
<ul style="list-style-type: none"><li>Managed the team and coordinated 3 subteams to build a robot that reached the tournament finals</li></ul>	
<i>Software Team Leader</i>	Jun 2022 – Sep 2024
<ul style="list-style-type: none"><li>Delivered software for 3 robots, including one whose autonomous performance earned a competition award</li><li>Engineered control, autonomous, and vision systems using Java and WPILib</li><li>Led and trained the software subteam, coordinating with mechanical and electrical teams through Git</li></ul>	
<i>Software Team Member</i>	Sep 2021 – Jun 2025
<ul style="list-style-type: none"><li>Programmed and tested robot control and autonomous features using Java and WPILib</li><li>Integrated sensor feedback and vision processing under guidance of team leads</li></ul>	
<i>Mechanical Team Member</i>	Sep 2021 – Jun 2025
<ul style="list-style-type: none"><li>Built 3 robots in SolidWorks, one of which became a tournament finalist</li></ul>	
<b>Researcher</b> <i>Georgia Institute of Technology</i>	Jun 2023 – Sep 2023 Atlanta, GA, USA
<ul style="list-style-type: none"><li>Authored a research paper documenting the methodology and results of the project</li><li>Engineered machine learning algorithms in Python for predictive modelling</li><li>Created a model to predict prices of used cars based on historical data</li><li>Gained hands-on experience with unsupervised learning techniques and data analysis</li></ul>	
<b>Software Developer Intern</b> <i>Token Financial Technologies</i>	Aug 2023 – Sep 2023 Istanbul, Turkey
<ul style="list-style-type: none"><li>Learned to manage software development processes and team coordination using GitLab version control</li><li>Collaborated effectively within a cross-functional team to ensure timely project delivery</li></ul>	
<b>Research Assistant</b> <i>Bogazici University</i>	Sep 2021 – May 2022 Istanbul, Turkey
<ul style="list-style-type: none"><li>Programmed software using Python to analyse animal behavioural patterns with machine learning and image processing</li><li>Studied and interpreted rodent behaviour in controlled experimental scenarios</li><li>Only freshman in the research team, contributing alongside senior students</li></ul>	

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, RISC-V Assembly, SystemVerilog, HTML/CSS, MySQL

**Developer Tools:** Git, Google Colab, Jupyter Notebook, Kaggle, VS Code, Visual Studio

**Libraries:** WPILIB, OpenCV, pandas, NumPy, Matplotlib, seaborn, scikit-learn, TensorFlow / Keras