CAGATAY KAVAS

Permanent Address	**Contact Info**
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4th year undergraduate student in Electrical and Electronics engineering with an interest in embedded systems, data science, programming, artificial intelligence, machine learning and neural networks.

Education

Ankara University	Ankara, Turkey	**Sept. '19 – Present**
Bachelor of Science, Electrical and Electronics Engineering		*GPA 3.62/4.0*

- *Relevant Courses: Object Oriented Programming, Programming with MATLAB, Introduction to Data Science.*

Mehmet Emin Resulzade Anatolian High School	Ankara, Turkey	**Sept. '15 – June '19**
High School Education		*GPA 92.03/100*

Relevant Experience

Ankara University	Ankara, Turkey	**Sept. '19 – Present**
Department of Electrical and Electronics Engineering	*Undergraduate Student*	Jan. '22 – May '22

- *Compared the accuracies of support vector machine and convolutional neural network algorithms for an image classification problem.*
- *Modified a neural network to determine performance improvement with respect to another neural network.*
- *Coded and simulated free falling objects with and without air resistance in MATLAB.*
- *Actively worked on a project in lab at examining the modes of a fiber on an experiment setup which thins the fiber cables.*
- *Prepared and ran Monte Carlo simulations to calculate area of a user entered function within user entered limits.*
- *Designed and programmed a Line Follower Small Robot with an optical sensor.*
- *Used CAN bus communication module to demonstrate the operation of the cruise control system containing 2 transmitters and 1 receiver CAN bus modules.*

Ay Yazilim	Ankara, Turkey	**Feb. '22 – July '22**
Research & Advanced Engineering, Robotics & Mobility	*Undergraduate Intern*	

- *Assisted in electrical circuit design.*
- *Got hands-on experience with electronics components.*
- *Worked on various systems on cars and building of a wind measurement sensor.*

ASELSAN A.Ş.	Ankara, Turkey	**July. '22 – Aug '22**
Military & Aerospace Manufacturing	*Undergraduate Intern*	

- *Learned machine learning and deep learning algorithms to be used on the ESP 32-CAM development board.*
- *Built the hardware and written the code in ESP 32-CAM development board to be used in a face detecting system.*

CSA Rover Team   Ankara, Turkey   **Sep. '22 – Present**
- *I am in autonomous driving team where we code the object detection, localization and navigation.*
- *I learned RoS for this project.*

TAI   Ankara, Turkey   **Nov. '22 – Present**

Turkish Aerospace Industries   *Candidate Engineer*

- *I work 2 days a week to further improve my skills in embedded systems in avionics systems.*

Program Proficiencies

- *MATLAB*
- *Python*
- *C*
- *C++*
- *Arduino*
- *GIT*

- *ETAP 19.0.17*
- *Proteus*
- *AutoCAD*
- *Microsoft Office*
- *Linux*
- *ROS*

Language Proficiency

- *Turkish-Native*
- *English-Fluent*
  Skipped English Preparation School in Ankara University

Trainings and Certificates

- *Codivity Seminar, IEEE Computer Society, 2019*
- *Line Tracking Robot Building Training, Robotic & Automation Society, 2019*
- *AutoCAD Training, Ankara University Power & Energy Society, 2019*
- *Technology in Medicine, Ankara University, 2019*

Exams:
TOEFL: 96/120
GRE Quantitative Reasoning: 162/170

References: *Available upon request*