

Bilal Kabaş

CONTACT INFORMATION	38090 Kocasinan, Kayseri	<i>E-mail:</i> bilal.kabas@agu.edu.tr <i>Web:</i> bilalkabas.github.io <i>GitHub:</i> github.com/bilalkabas
EDUCATION	Abdullah Gül University B.Sc., Electrical-Electronics Engineering, GPA: 3.95	Kayseri, Turkey Sep 2017 - Present
WORK EXPERIENCE	Abdullah Gül University - Robotics Laboratory Undergraduate Researcher <u>Development of Autonomous Quad-copter for the 5th International UAV Competition, by TUBITAK</u> <ul style="list-style-type: none">• Developed decision-making algorithms• Developed a real-time image processing algorithm for object detection• Integrated electrical and electronic components• Designed task-specific mechanisms using a CAD software	Kayseri, Turkey Feb 2020 - Present May 2020 - Sep 2020
RESEARCH & PROJECTS	Security System in VHDL (Mini Project) <i>Technologies:</i> VHDL, Basys 3 Artix-7 FPGA <ul style="list-style-type: none">• Constructed Finite State Machine• Created testbench for simulation Comparative Analysis of Full Adder Cells <i>Technologies:</i> LTSpice, Proteus <ul style="list-style-type: none">• Adapted and simulated circuits in LTSpice and Proteus• Analyzed design differences and performances of circuits• Constructed a report describing the research and findings ECG Signal Acquisition and Data Processing <i>Technologies:</i> MATLAB, Signal Processing Toolbox, Proteus <ul style="list-style-type: none">• Implemented real-time FFT and filtering algorithms• Developed R-peak detection algorithm• Integrated R-R tachogram and PSD analysis tools• Developed desktop application using MATLAB App Designer Real-time Data Acquisition in MATLAB (Mini Project) <i>Technologies:</i> MATLAB, Arduino <ul style="list-style-type: none">• Developed real-time control algorithms based on sensor data• Developed desktop application using MATLAB App Designer	Apr 2020 - May 2020 Mar 2020 - Apr 2020 Oct 2019 - Jan 2020 Sep 2019 - Oct 2019

TECHNICAL SKILLS	Languages : Matlab, JavaScript, Python (intermediate), C (beginner), VHDL (beginner) Softwares : ROS (beginner), ArduPilot, Simulink (beginner), LTSpice, PSpice, Proteus, Solidworks, Vivado Hardware : Pixhawk Cube 2.1, Basys 3 Artix-7 FPGA, Raspberry Pi, Arduino Libraries : OpenCV, DroneKit, Flask Platforms : Windows, Ubuntu Database : MySQL Web : HTML, CSS, Laravel, Node.js (beginner), Electron.js	
VOLUNTEERING	nadirhastalik.org Web Developer	Kayseri, Turkey Jul 2018 - Jun 2019
MEMBERSHIP	AGU IEEE Student Branch Member	Kayseri, Turkey Oct 2019 - Present
LANGUAGES	English , Advanced Turkish , Native	