



Ege Bilecen

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Portfolio: <https://ege.r0m.cc> **GitHub:** <https://github.com/egebilecen>

Home: Dublin (Ireland)

ABOUT ME

I specialize in software development in Mechatronics. I have done a variety of work in various fields, such as embedded programming, web development, mobile development, using various programming languages. Because of this, I am quite quick to adapt to new projects and new programming languages.

EDUCATION AND TRAINING

MEng in Electronic and Computer Engineering (IoT Major)

Master's Degree, Dublin City University [2023 – Current]

City: Dublin

Country: Ireland

Website: <http://dcu.ie/>

NQF Level: 9

Mechatronics Engineering

Bachelor's Degree, Erciyes University [2017 – 2022]

City: Kayseri

Country: Türkiye

Website: <https://erciyes.edu.tr/>

Final grade: 3.13 / 4.0

NQF Level: 8

DIGITAL SKILLS

Skills

C / C++ / C# / Python / Rust / Lua / PHP / HTML / CSS / JavaScript / Database Management / Git

Knowledge

NodeJS / ReactJS / MySQL / Xamarin / Robot Operating System (ROS) / Windows Forms Application / Image Processing / Socket Programming / Embedded Programming / Chrome Extension Development / Internet of Things (IoT) / Web Data Extraction (Scrapy - BeautifulSoup - Selenium WebDriver) / Linux / Webview Application / Qt (C++, Python) / Dear ImGui

WORK EXPERIENCE

Software Developer

bionluk.com [Oct 2018 – Oct 2022]

Country: Türkiye

Website: <https://bionluk.com/>

Name of unit or department: Freelancer - Business or sector: Other service activities

Throughout my freelance work period, I completed/performed the following applications/works:

- 40 data scraping applications
- 1 C++ Dear ImGui application
- 2 Python applications
- 5 C# applications
- 4 PHP based web admin control panels
- 1 PSD to HTML conversion
- 3 Google Chrome extensions

bionluk.com is the leading freelancer platform in Turkey. I wasn't doing very active freelance work throughout this period since I was also studying at university.

PROJECTS

Unmanned Aerial Vehicle (Drone)

[Mar 2021 – Sep 2021]

I took part in the UAV competition branch of a group of students that is participating in the TEKNOFEST International Unmanned Aerial Vehicles Competition 2021. I have also designed the system for our UAV.

Unmanned Aerial Vehicle (Drone) & Model Satellite

[Nov 2019 – Sep 2020]

We, as a team of students, participated in the TÜBİTAK International Unmanned Aerial Vehicles Competition organized within the TEKNOFEST 2020 organization as well as the TURKSAT Model Satellite Competition organized within the TEKNOFEST 2020 organization.

I worked on developing autonomous movement software for the drone and telemetry software for the model satellite, along with other competition requirements. All the classes and wrappers written for these purposes can be found in this repo: <https://github.com/egebilecen/eb-python>

Unmanned Ground Vehicle

[Feb 2019 – Apr 2020]

I took part in the software team of an unmanned ground vehicle (UGV) project that a group of students were working on from February 2019 to May 2020. The ground station and UGV's communication, as well as the features for movement and control and image processing, were all written by me. Additionally, since Jetson NANO was being used as the primary controller for this project, I had the opportunity to work with it.

LANGUAGE SKILLS

Mother tongue(s): **Turkish**

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HONOURS AND AWARDS

Certificate of Appreciation

Erciyes University, Department of Mechatronics Engineering [Nov 2019]

Given due to our achievements in Unmanned Autonomous Ground Vehicle competition.

LICENSES & CERTIFICATIONS

TEKNOFEST International Unmanned Aerial Vehicles Competition 2021 - Participation Certificate

[Sep 2021]

Issued by **TEKNOFEST** in **Turkey**

TEKNOFEST International Unmanned Aerial Vehicles Competition 2020 - Participation Certificate

[Sep 2020]

Issued by **TEKNOFEST** in **Turkey**

Turksat Model Satellite Competition 2020 - Participation Certificate

[Sep 2020]

Issued by **Turksat** in **Turkey**

HOBBIES AND INTERESTS

Backend Development

System Design

Automation