



# Mustafa AKILLI

Gebze Technical University  
Junior Year Bachelor of  
Computer Engineering Student

**E-mail:** mustafaakilli@outlook.com  
**Website:** www.akillimustafa.com  
**Github:** AKILLIMUSTAFA

## EDUCATION

### Gebze Technical University

(2013 - 2018)

Engineering Faculty, Bachelor of Computer Engineering

Grade Point Average: 2.89 / 4.0

### Bahçelievler Dede Korkut Anatolia High School

(2009 - 2013)

## SOFTWARE KNOWLEDGE

Object Oriented Programming

Unix System Programming

Apache Maven

Data Structures and Algorithms

Database (SQL)

Android App Developing

Embedded Systems:

MIPS Microprocessor Architecture

HCS12 Microcontroller

Arduino (Mega, Uno )

Raspberry Pi

Game Libraries:

Java Game Development Framework: Libgdx

C++ 3D Engine:

Irrlicht Engine

C Programming Game Library:

Allegro

Computer Vision:

Open Source Computer Vision Library

OpenCv

Version Control Systems:

Git

Github

Gitlab

GitKraken

Integrated Development Environments:

Java

IntelliJ IDEA

Java

NetBeans

Cpp

Code::Blocks

Cpp

Dev-C++

Cpp, CSharp

Visual Studio

Cpp, C

JetBrains CLion

C

Linux Gedit Text Editor

Html, JavaScript

JetBrains WebStorm

Prolog

SWI-Prolog

Assembly

CodeWarrior IDE

Verilog

Quartus II

Microsoft Office Tools:

Word

Excel

PowerPoint

## PROGRAMMING LANGUAGES KNOWLEDGE

Java

Advanced

C

Advanced

C++

Advanced

C Sharp

Intermediate

Lisp

Intermediate

Assembly

Intermediate

Html

Intermediate

Prolog

Beginner

Javascript

Beginner

Verilog

Beginner

**\*2017 International UAV Turkey Competition:**

- I am part of the "TUĞRUL" team for this Competition.
- I am working on this project about computer vision.
- We are using **Cpp** and **OpenCv Library** on **Raspberry Pi** for this project.
- We are trying to determine the color of the target pattern with the help of the drone.

**\* 2017 C# My Special Cloud Group Project:**

- This Project is being developed for GTU CSE 314 Introduction to Database Course.
- We are using **Oracle Database** Management System with **C# .NET** for this project.
- We keep the information that the user needs to remember.

**\* 2016 Ball On Plate Group Project:**

- This Project was made for GTU CSE 395 Undergraduate Project 1 Course.
- The purpose of Ball On Plate Project is keep the ball on the plate.
- We developed this project using **Cpp** language for **Linux, Windows and Android**.
- We used **Irrlicht Engine** ( open source 3D engine ) for Visual 3D.
- We used **Arduino Mega** for Hardware.
- Also We made a website, a Introducing Project Video and a slideshow for this project.
- **Website:** <https://ballonplategroup7.github.io/>
- **Source Codes:** <https://github.com/ballonplategroup7>

**\* 2016 Virtual Operating System Group Project**

- This Project was made for GTU CSE 343 Software Engineering Course.
- Our operating system support basic Linux commands.
- We developed this project using **Qt 5.7**.
- **Source Codes:** <https://github.com/CSE343-2016-G2/GTUVOS>

**\* 2016 Android App "YDS Çıkan Kelimeler"**

- I developed this project using **Java** language on **Android Studio**.
- For the user who works for YDS (like TOEFL in Turkey) exam.
- Android Application for word memorization.
- The app has had more than **4,000+ downloads** on Google Play Store.
- Average User Rating is **4.4 Star**.
- **Link:** <https://play.google.com/store/apps/details?id=com.redsawsoft.ydscikankelimeler>

**\* 2016 Android App "Find My Famous Twin GOT Edition"**

- I developed this project using **Java** language on **Android Studio**.
- The app show how much does user look like Game of Thrones characters
- I used **Microsoft Azure cloud-based Face API** for Face comparison.
- I used **Google Firebase** for pictures.
- **Link:** <https://play.google.com/store/apps/details?id=com.redsawsoft.find.my.famous.twin.got>

\* **2016 Android / Windows / Linux "Sloppy Bird" Video Game**

- I developed this project using **libgdx** (Java game development framework) on Android Studio for Cross Platform (**Android / Windows / Linux** )
- Flappy Bird clone.
- **Github Link:** <https://github.com/AKILLIMUSTAFA/Sloppy-Bird>

\* **2016 Java Language Course Automation System**

- Course Automation System have users which are admin, teachers, tutors and students.
- Admin and Teachers can add Document and Assignment in the courses.
- "https://moodle.com/" basic clone.
- **Github Link:** <https://github.com/AKILLIMUSTAFA/Course-Automation-System>

\* **2015 Cpp Language Game Project: Game Reversi / Othello**

- This project single player version of game Reversi which is run on Terminal.
- **Github Link:** <https://github.com/AKILLIMUSTAFA/Cpp-HomeWorks/tree/master/HW1>

\* **2015 Allegro Game Project: AgarIOO**

- I developed this project using **C language** with **Allegro** (A game programming library)
- I **created** the **game physics** and **artificial intelligence**
- "http://agar.io/" clone.
- **Github Link:** <https://github.com/AKILLIMUSTAFA/Allegro-Game-Project-AgarIOO>

**WORK  
EXPERIENCES**

- I was **Tutor** in Gebze Technical University CSE 108 Computer Programming Laboratory for help the students about C language. This experience has improved my **teaching skills**. I understand how to explain to people with different levels of knowledge.
- I was **President** of GTU Aerospace & Aviation Student Club Finance and Logistics. This experience has improved my **leadership skills**. I understand how to manage a group. Also I learned **to be part of a team** and **working together**.
- I worked with my father in our grocery store. Later, We carried fruits and vegetables to restaurants with our car. These experiences led me to **meet a lot of people**.

**OTHER  
INFORMATIONS**

- **Foreign Language:** English
- **Certificate Information:** Turkish Aeronautical Association Ata Model Plane Course
- **Hobbies:** Paragliding, Soccer, Basketball, Reading Books (The last book I read is called Kürk Mantolu Madonna)
- **Memberships (GTU):** GTU aviation & aerospace, GTU IEEE, GTU esports, GTU chess
- **Smoking:** Non-smoker