



# Patrik Sánta

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## About me

I'm an enthusiastic, creative, people-oriented early career IT student. I would like to use and improve the knowledge I have gained from my studies and my own projects.

## Education

**Lehel Vezér Secondary School Jászberény** 2014 – 2018  
Informatics and biology class  
Advanced physics final exam

**Budapest University of Technology and Economics** 2019 – Present  
Software engineering  
Software developer specialization

## Experience

**Game engine** Present  
[github.com/Patrik-07/OpenGLGameEngine](https://github.com/Patrik-07/OpenGLGameEngine)  
A 3D game engine, based on the OpenGL graphics library writing in C++.  
This is my thesis and I'm currently working on it.

**Android chat app** 2021  
[github.com/Patrik-07/AndroidChatApp](https://github.com/Patrik-07/AndroidChatApp)  
Native android app with Kotlin. It has all the expected chat app functionality.  
I used Firebase for the authentication, storing information about users and for the chat function of course.

**Lightsaber registry** 2021  
[github.com/Patrik-07/LightsaberRegistry](https://github.com/Patrik-07/LightsaberRegistry)  
A simple Star Wars themed, Express/Node.js based web application created for a school project.

**Asteroid mining game** 2021  
[github.com/Patrik-07/AsteroidMiningGame](https://github.com/Patrik-07/AsteroidMiningGame)  
An interactive game with Java, where the goal is to build a space base by mining resources located on each asteroid.

**OpenCV face detection** 2021  
[github.com/Patrik-07/OpenCVFaceDetection](https://github.com/Patrik-07/OpenCVFaceDetection)  
Made with Python, OpenCV and Google mediapipe.

**Snake games** 2019 – 2022  
<https://github.com/Patrik-07/CSnake>  
<https://github.com/Patrik-07/KotlinSnake>  
<https://github.com/Patrik-07/FlutterSnake>  
During my studies, I made several snake games with the following technologies: C, Kotlin, Flutter.

## Links

[github.com/Patrik-07](https://github.com/Patrik-07)

[patrik-07.github.io](https://patrik-07.github.io)

[linkedin.com/in/patrik-santa-7520a0241](https://linkedin.com/in/patrik-santa-7520a0241)

## Technical skills

**Programming languages**  
C/C++, Java, C#, Kotlin, Python, Dart

**Frameworks and APIs**  
OpenGL, ADO.NET, ASP.NET, Entity Framework, REST, Flutter, Firebase, OpenCV, MediaPipe

**Development environments**  
Microsoft Visual Studio, VS Code, JetBrains tools, Android studio

**Version management systems**  
Git, Github

**Database**  
SQL, TSQL, MsSQL, MongoDB

**Others**  
XML, HTML, CSS, JSON, UML

## Languages

English intermediate (B2)  
complex

## Hobbies

**Reading**

**Sport**  
body building, football, cycling