

Szilárd Kósa

Full Stack Software Engineer



📍 Budapest, Hungary

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🌐 szilardkosa.com

🌐 LANGUAGES

Hungarian ● ● ● ● ●
Native Speaker

English ● ● ● ● ●
Fluent

🎓 EDUCATION

MSc in Computer Science Engineering

Budapest University of Technology and Economics

02/2020 – 02/2022

Budapest, Hungary

BSc in Mechatronics Engineering

Budapest University of Technology and Economics

09/2016 – 02/2020

Budapest, Hungary

🧠 SKILLS

- HTML5 | CSS3 | JavaScript | TypeScript
- Node.js | Express.js | React.js | Electron.js | Next.js
- C# | ASP.NET Core
- Python | PyQt | TensorFlow | Keras
- MongoDB | Firebase
- Git | GitHub | GitLab

📄 CERTIFICATES

- Google UX Design Professional Certificate [🔗](#)

📁 PROFESSIONAL EXPERIENCE

Mirango Kft.

Software Engineer

06/2021 – present | Budapest, Hungary

- I engage with clients, write specifications, develop front-end and back-end code, fix bugs, and conduct additional research tasks.
- Currently researching use cases for large language and text embedding models for processing order emails.

TypeScript | Electron.js | React.js | C# | ASP.NET Core

Aviatic Kft.

Software Engineer Intern

06/2019 – 08/2019 | Budapest, Hungary

- I researched practical use cases for Intel's OpenVINO toolkit pre-trained models and developed games using the Godot engine.

Python | C++ | OpenCV | Linux | PyQt | OpenVINO | GDScript | Godot game engine

General Mechatronics Kft.

Embedded Software Engineer Intern

01/2019 – 06/2019 | Budapest, Hungary

- I contributed to IoT projects by developing low-level libraries in C and debugging circuit boards.

C | programming STM32 microcontrollers | soldering

📁 PROJECTS

Micro Mouse Simulator

I created a web application where users can enter an algorithm and a maze, execute it on the server in a containerized environment, and visualize how the algorithm traversed the given maze.

React | Redux | TypeScript | C# | ASP.NET Core | MongoDB | Docker

Face Recognition with Triplet Loss in Keras

I trained a FaceNet-like neural network and created a visualization for the inner workings of the network.

Python | TensorFlow | Keras | UMAP

🏆 AWARDS

2nd Place in Game Development at Bank to the Future Competition

Hungarian National Bank and Budapest University of Technology and Economics
2021

1st Place at Half-size Micromouse Robot Competition

Budapest University of Technology and Economics
2018

1st Place at ContiCup Robot Programming Competition

Continental
2018