



## Contact

### Phone

+421 952 155 913

### Email

ymarochok@gmail.com

### GitHub

<https://github.com/ymarochok>

## Skills

Python  
ReactJS  
HTML  
CSS  
JavaScript  
SQL  
Linux  
C  
C#  
Rust  
Java

## Language

English	B2
Slovak	B2
Ukrainian	native
Russian	C1

## Certificates

2021-2022 | IT Step Academy

**Web-Development**

# Yaroslav Marochok

student at FIIT STU

## About Me

Third-year Computer Science student at the Slovak University of Technology (FIIT) with a strong interest in Python back-end development, ReactJS front-end development and game design. Interested in building efficient software and configuring Linux-based systems (Arch Linux, Fedora). Quick to learn new technologies and comfortable working both independently and in team.

## Academic Projects

2022 - 2023

### Albert Einstein Grammar School

Graduated successfully in 2023 in Math, Physics, English and Slovak subjects.

2023 - 2025

### Faculty of Informatics and Information Technologies STU

Computer Networks

Developed a console application in Python. Supports sending messages and files over a network using raw sockets.

Artificial Intelligence

Implemented artificial intelligence for solving Traveling Salesman Problem (with Tabu Search, Simulated annealing), classification data in clusters, backpropagation algorithm, and classifier in Python trained by MNIST data-set.

Data structures and algorithms

Integrated different types of data structures (Binary Tree, Hash table, Heap and etc.) in C. Have a good understanding in other languages as well.

Object Oriented Programming

Built a application for simulation of the electoral system in Java with JavaFX.

Database Systems

Designed a database structure for rpg-based system in Postgresql. Developed database with scripts for creating the database, functions to work with data, samples, indexes, DB functionality testing.

Rust programming

Collaborated in developing a Live-Streaming service for podcast / DJ streaming with HTTP and RUST. Integrated JWT systems for user authentication and authorization.

Developing of Applications with multilayer architecture

Collaborated on developing an orientation app for students at STU FIIT, featuring a database of subjects, teachers, reviews, and news. Worked as a backend developer.

## Personal Projects & Achievements

Spaceport Hackathon 2024

Collaborated in developing a 3d game in unity on hackathon sponsored by IBM.

Web-site for cleaning company

Built web-site in ReactJS for cleaning company.

CRUD application

Developed a simple note management application using Python, FastAPI, and PostgreSQL, featuring JWT-based authentication. UI/UX was designed in Figma.