



# Filip Korus

Information and Communication Technologies  
student

## EDUCATION

**III Liceum Ogólnokształcące im. Adama Mickiewicza w Tarnowie**  
2018 - 2021

**AGH University of Science and Technology**  
2021 - 2025 Information and Communication Technologies (ICT) - final grade: 5.0  
2025 - present Cybersecurity (Master's)

## EXPERIENCE

### CMS for Klich Football School (2020)

Content management system with admin panel written in PHP with two of my friends in 2020. It was made for local football school.

### AGH Quality of Experience (QoE) Team - internship (2022-2023)

I joined the team in May 2022. My first task was to create Software-as-a-Service app to demonstrate how the multimedia quality measurement software (written in C) works without need to download it.

I developed it with Vue, Node and Docker.

Secondly, I made a Python package (installable with pip) which has the same purpose as the SaaS app - to demonstrate multimedia software our team created. During the internship, which concluded in July 2023, I enhanced my teamwork and time management abilities.

### Software Developer Intern at Volvo Cars (2024)

Three months long internship during which I improved my C++ skills. My tasks consisted of implementing component tests using GoogleTest framework and maintaining the code of our CS modules. What is more, I created several Zuul jobs and Ansible playbooks to improve our CI/CD pipeline.

## SKILLS

**Node.js** - I created a number of REST APIs with Express and ORMs like Prisma. During my journey as a member of AGH QoE Team I built SaaS app where Node was used in backend. Definitely, Node is the most remarkable technology I have ever learnt.

**React** - Created a few apps with user authentication and dashboard/live chat with Socket.io and Rest APIs.

**Typescript** - I use it in every React and Node project.

**C++** - Applied C++ primarily for algorithms in High School and during the Basics of Computer Science course in my first semester at university.

Utilized C++ for maintaining CS modules during my internship at Volvo Cars, gaining hands-on experience with real-world applications in the automotive industry.

**Java** - Learned it at university during OOP course. I used it for developing simple GUI apps with loggers and database connections.

**Python** - I learnt it on my own by creating web scrapers, bots and many more. I used it during Algorithms course at university and internship in AGH QoE Team where I developed our pip package. One of my favourite languages.

**SQL** - Experienced with MySQL and PostgreSQL. I used them in several web apps and during database university course.

**PHP** - Started my experience with web dev with this language.

**Docker** - Used in several projects to deploy and run multiple instances of apps with load balancer.

**Vue.js** - I was learning it some time though I quitted it in favour of studying React.

**Matlab** - Used it for Digital Signal Processing and Numerical Methods courses at Uni.

**IP networking** - Understanding of IP networking concepts, protocols, routing and more.

## SCIENTIFIC PAPERS AND CONFERENCES

**"In the Wild" Video Content as a Special Case of User Generated Content and a System for Its Recognition** - published in Sensors (MDPI), Feb 2023

**Wykrywanie trudnych do kompresji sekwencji wideo na podstawie obiektywnych metryk jakości** - presented at KRiT, published in PRZEGLĄD TELEKOMUNIKACYJNY, Sep 2024


## About me


I am an Cybersecurity student at AGH UST. I am dedicated, hard-working person willing to soak up the knowledge and develop new skills. Most of my time learning software engineering has been spent in web development. I love learning about new things and generally speaking be active in my spare time.

## CONTACT

 [redacted]@[redacted]

 [redacted]

 <https://www.linkedin.com/in/filipkorus/>

 <https://github.com/filipkorus/>

 <https://fkor.us>

## HOBBIES

football

skiing

travelling

science in general

## LANGUAGES

English - B2

Polish - native