

# Michał Taczala

Warsaw/Lublin, Poland | +48 727 777 060 | taczalamichal5@gmail.com

<https://www.linkedin.com/in/micha%C5%82-tacza%C5%82a-8aa13a244/> | <https://github.com/MichalTaczala>

## Summary

---

Experienced Software Engineer with a strong foundation in software development and expertise in C++. Proven ability to participate in the full engineering lifecycle, from design and development to integration, testing, and release. Passionate about solving complex problems and collaborating within agile teams, particularly in the automotive and embedded systems sectors.

## Education

---

**Warsaw University of Technology**, BSc in Software Control and Robotics 2019-10-01 – 2023-06-30

- Graduated with a GPA of 4.5/5, gaining substantial knowledge in automation, robotics, and software development techniques.
- Completed coursework in Python for robotics and artificial intelligence, with practical experience in ML and AI through competitive programming in a robotics student association.

**Warsaw University of Technology**, MSc in Data Science 2023-10-01 – 2025-06-30

- Currently pursuing advanced studies with a focus on machine learning, deep learning, and big data analytics.
- Engaged in projects utilizing technologies such as Apache Stack and ML libraries including NumPy and PyTorch; emphasizing Python development.

**Korea Advanced Institute of Science and Technology(KAIST)**, Exchange AI MSc Student 2024-08-26 – 2024-12-20

- Participated in an international exchange program focused on AI and ML at a leading South Korean university, collaborating on diverse projects and enhancing language skills.

## Experience

---

**Junior Software Developer**, Sciamus 2022-05-01 – 2022-12-31

- Developed a Java backend application for managing SIM cards, enhancing system functionalities through agile methodology.
- Implemented microservice architecture with daily client interactions in a two-week sprint cadence.
- Configured cloud environments and managed CI/CD pipelines using GitLab CI/CD and Docker.

**Mobile App Developer**, IT Touch 2023-01-01 – 2024-07-31

- Led the development of a stock and crypto trading application using Flutter, overseeing the project from design to deployment.
- Worked collaboratively within an agile team of mobile developers, focusing on robust app architecture and user experience.

## Projects

---

### Graph Finding Reaction Direction

- Developed models for predicting reactions using Python, NumPy, and PyTorch, employing machine learning algorithms for graph data.

### Big Data Analytics

- Designed a system for real-time predictions of flight delays using Apache tools on Google Cloud Platform, integrating multiple data sources.

## Skills

---

**Languages:** English Advanced (C1), Polish Native, Japanese Intermediate (N3)

**Hard skills:** C++ , Java, Python, Spring Boot, SQL, MongoDB, Git, Linux, Data Structures, Algorithms, Object-Oriented Programming, Agile Methodologies

**Soft skills:** Excellent communication skills, able to articulate complex technical concepts clearly., Strong problem-solving abilities and proficient in collaborating with cross-functional teams., Adaptable to changing environments and open to new challenges, particularly within the automotive technology space.

**Certifications:** Academic Proficiency in English C1 - 06.2024, Japanese Language Proficiency Test N3 - 06.2022, GCP Cloud Associate Engineer - 06.2023