

Paweł Rycerz



📍 Kraków, Poland

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GitHub: <https://github.com/paewlr31>

Professional Summary

Computer Science student with hands-on experience in **Java, C, C++, C#, and Kotlin**. Passionate about building efficient mobile and low-level applications. Strong foundation in algorithms, object-oriented programming, and problem-solving. Currently working as a **Java Developer at Criff** and actively contributing to open-source projects. Member of the **AI Lab student research group at AGH**, focusing on social media applications, in Kotlin and Artificial Intelligence in Python. Seeking opportunities to grow through impactful projects and professional challenges.

Technical Skills

- **Languages:** Java, C, C++, C#, Kotlin, Python
 - **Mobile Development:** Android Studio, Jetpack Compose, Kotlin Multiplatform (basics)
 - **Frameworks & Tools:** Git/GitHub, Firebase, ANTLR, PyQt5, CMake, Visual Studio, Linux, Spring, Spring boot, Hibernate
 - **Databases:** Firebase, Sunbase, SQL, Room, SQLite, Microsoft database SQL
 - **Core Competencies:** OOP, data structures and algorithms, mobile and web applications, concurrency, team projects
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Professional Experience

Java Developer, Criff – Kraków, Poland

📅 2024 – Present

- Developing and maintaining Java-based applications
- Implementing new functionalities and integrating with internal systems
- Optimizing and improving code quality
- Working in Agile/Scrum methodologies

AI Lab Research Group Member – AGH, Kraków

📅 2023 – Present

- Developing social media applications in Kotlin
- Researching and applying AI solutions in mobile apps
- Collaborating on R&D projects in a student team

Founder & Developer, The Media Application

 2023 – 2025

- Designed application using Kotlin with Jetpack Compose and Firebase Database
- Created UI and graphic design for the app
- Organized project structure and managed GitHub repository
- Conducted testing and continuous improvements

Creator, MapperLang Interpreter

 2025

- Designed a custom domain-specific language for describing maps using **ANTLR** and **PyQt5**
- Implemented a Python-based interpreter with a parser and a simple GUI

Developer, BookSwap – Decentralized Library in C#

 2025

- Built a decentralized library system in C# enabling book exchanges between users
- Available on GitHub: <https://github.com/paewlr31/urban-couscous>

Education

AGH University of Science and Technology, Kraków, Poland

 2023 – Present

- Major: Computer Science and Intelligent Systems

6th High School, Kraków, Poland

 2019 – 2023

- Secondary education completed

Languages

- Polish: Native
- English: B2/C1