

Marcin Rolbiecki

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EXPERIENCE

Snowflake, Software Engineer Intern

06/2025 – 09/2025

Warsaw

- Contributed to a high impact, **new unified database connectivity initiative** used across multiple programming languages (**Rust, C++, Python, Java**).
- Shipped file transfer (upload/download) between local and cloud storage.
- Built **end-to-end test automation** and a **cross-language reference suite** covering 30+ scenarios to ensure strict compatibility with existing drivers.
- **Learned Rust in 2 weeks** and shipped production-quality code.

Atinea, Software Developer

06/2024 – 06/2025

Warsaw

- Applied **graph algorithms** in a query preprocessor to **reduce time complexity**, accelerating worst-case workloads from ~1h → ~1s on stress tests.
- Extended a **custom SQL parser** and improved maintainability.

Instalogik, Problem Setter

06/2022 – 06/2025

Warsaw

- Designed 30+ problems for Instalogik, one of Poland's largest **math/programming competitions**, contributing to 3× participation growth (6,400 → 18,100).

EDUCATION

BSc in Computer Science,

10/2023 – 06/2026

University of Warsaw - Faculty of Mathematics, Informatics and Mechanics

Warsaw

- GPA: 4.29 / 5.00
- Coursework: Algorithms and Data Structures (finished in **top 10%**), Databases, Machine Learning, Concurrent Programming, Computer Networks, Operating Systems.
- Upcoming: **Engineering Distributed Infrastructure** (taught by Googlers), Distributed Systems, Advanced Algorithms, Deep Neural Networks, Cybersecurity, courses on **C++** and **Rust**.

ACHIEVEMENTS

Finalist of Polish Olympiad in Informatics

02/2023

Ranked in the **top 100** out of over 1,000 participants from the best Polish high schools, demonstrating advanced problem-solving skills in algorithms and data structures.

Qualified for First Ascent Poland

10/2025

Selected for an exclusive retreat for the **top 20** Polish CS & engineering students organized by Bending Spoons.

PROJECTS

- Parallel combinatorial solver in **C** using pthreads - **scaled to 16 threads with 14× speedup**.
- Concurrent boolean circuit solver in **Java**, enabling parallel evaluation of complex boolean expressions.
- Over **500 complex problems** solved during live contests or training.

SKILLS

Programming Languages: C++, Python, Java, Rust, C, SQL, Bash

Tools and Technologies: Linux/Unix, Git, MySQL, PostgreSQL, LaTeX, Networking (sockets: TCP/UDP), AI coding tools (Cursor)

LEADERSHIP / ACTIVITIES

Assistant Unit Leader

03/2021 – 06/2025

Bytów

- Co-organized multiple large-scale events, including 3 summer camps for over 100 participants, led and coordinated groups of 20+ members.

AVAILABILITY

Available to start a full time position in March 2026 or later. Also available for summer 2026 interships.