

# Marcin Rolbiecki

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## EDUCATION

<b>University of Warsaw - Faculty of Mathematics, Informatics and Mechanics</b> BSc in Computer Science, Warsaw, Poland	Oct 2023 - Expected Jun 2026
<ul style="list-style-type: none"><li>• <b>Coursework:</b> Algorithms and Data Structures, Databases, Machine Learning, Concurrent Programming, Object-Oriented Programming, Programming in Python, Computer Networks.</li><li>• <b>Upcoming:</b> Advanced Algorithms, Distributed Systems, Deep Neural Networks, Programming in Rust, Cybersecurity.</li></ul>	

## EXPERIENCE

<b>Software Engineer Intern</b>   <i>Snowflake</i>	start in Jul 2025
<ul style="list-style-type: none"><li>• I will be working on the Snowflake Drivers team.</li></ul>	
<b>Junior Software Developer</b>   <i>Atinea</i>	Jun 2024 - Jun 2025
<ul style="list-style-type: none"><li>• Developed and extended a custom <b>SQL</b> query parser by implementing new features and improving maintainability.</li><li>• Enhanced query execution by applying graph algorithms in the preprocessor, reducing time complexity and improving efficiency.</li><li>• Adapted quickly to NianioLang, demonstrating strong aptitude for learning new programming languages and tools in response to project requirements.</li></ul>	
<b>Problemsetter</b>   <i>Instakod</i>	Jun 2022 - Jun 2025
<ul style="list-style-type: none"><li>• Designed problems for three editions of "Instalogik", one of Poland's largest math and programming competitions for primary school students.</li><li>• Helped drive a nearly 3x increase in participation, from 6,400 to 18,100 students.</li></ul>	
<b>Computer Science Tutor</b>   <i>Instakod, IT korepetycje</i>	Apr 2022 - Aug 2024
<ul style="list-style-type: none"><li>• Delivered tutoring sessions in <b>C++</b> and <b>Python</b>, focusing on algorithms and programming contests preparation for 20+ students.</li></ul>	

## PERSONAL PROJECTS AND CERTIFICATIONS

<b>University Projects</b>   <i>University of Warsaw</i>	Oct 2023 - Present
<ul style="list-style-type: none"><li>• Parallelized solution in <b>C</b> using <b>pthread</b>s for a combinatorial problem, focusing on <b>scalability</b> for a large number of threads. <a href="#">github link</a>.</li><li>• <b>C</b> library for performing arithmetic operations on approximate values. <a href="#">github link</a>.</li><li>• <b>Concurrent</b> boolean circuit solver in <b>Java</b>, enabling parallel evaluation of complex boolean expressions. <a href="#">github link</a>.</li><li>• Data analysis project in <b>Python</b>, leveraging <b>pandas</b> and <b>matplotlib</b> to process and visualize DrugBank data. <a href="#">github link</a>.</li></ul>	
<b>Algorithms and Data Structures Solutions</b>	Aug 2021 - Present
<ul style="list-style-type: none"><li>• Solved over 500 complex problems during live contests or training. <a href="#">github link</a>.</li></ul>	
<b>NVIDIA Fundamentals of Deep Learning</b>   <i>Remote</i>	Aug 2024
<ul style="list-style-type: none"><li>• Completed a workshop on deep learning fundamentals, utilizing the <b>PyTorch</b> library to train neural networks for solving real-world challenges in <b>computer vision</b> and <b>natural language processing</b>.</li></ul>	

## ACHIEVEMENTS

<b>Finalist of Polish Olympiad in Informatics</b>   <i>Warsaw</i>	Mar 2023
<ul style="list-style-type: none"><li>• Ranked in the top 100 out of over 1,400 participants from the best Polish high schools, demonstrating advanced problem-solving skills in algorithms and data structures.</li></ul>	

## LEADERSHIP / ACTIVITIES

<b>Assistant Unit Leader</b>   <i>Związek Harcerstwa Rzeczypospolitej (Boy Scouts), Bytów</i>	Mar 2021 - Present
<ul style="list-style-type: none"><li>• Co-organized multiple large-scale events, including 3 summer camps for over 100 participants, each lasting 4 weeks, enhancing team collaboration and social skills.</li><li>• Led and coordinated groups of 20+ members, planning and executing complex tasks such as setting up campsites, demonstrating strong organizational and leadership abilities.</li></ul>	
<b>Volunteering</b>   <i>Various Charities</i>	
<ul style="list-style-type: none"><li>• Regularly involved in charity work, including assisting with local charity events in my hometown and participating in high-impact initiatives, such as supporting refugees at the Polish-Ukrainian border during a humanitarian crisis.</li></ul>	

## SKILLS

<b>Tools and Technologies</b>	<b>Programming Languages</b>
<ul style="list-style-type: none"><li>• Linux, Git, Office, MySQL, PostgreSQL, LaTeX.</li></ul>	<ul style="list-style-type: none"><li>• C++, C, Python, SQL, Java, Bash.</li></ul>
<b>Languages</b>	<ul style="list-style-type: none"><li>• Quick at learning new languages as required by project needs.</li></ul>
<ul style="list-style-type: none"><li>• Polish (Native), English (C1), German (A2).</li></ul>	