

Marcin Rolbiecki

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EDUCATION

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| University of Warsaw - Faculty of Mathematics, Informatics and Mechanics BSc in Computer Science, Warsaw, Poland | Oct 2023 - Expected Jun 2026 |
| <ul style="list-style-type: none">• Coursework: Object-Oriented Programming, Computer Architecture, Operating Systems, Linear Algebra.• Upcoming by Internship Start: Concurrent Programming (Distributed and Parallel Systems), Machine Learning, Databases, Web Application Development, Algorithms and Data Structures. | |

EXPERIENCE

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| Junior Software Developer <i>Atinea</i> | Jun 2024 - Present |
| <ul style="list-style-type: none">• Developed database web application using MySQL on Linux environment.• Learned NianioLang within 1 week, showcasing ability to learn new programming languages as needed by project requirements.• Improved the efficiency of complex SQL query execution by reducing time complexity through the application of graph algorithms and advanced data structures, resulting in better scalability and performance. | |
| Problemsetter <i>Instakod</i> | Jun 2022 - Present |
| <ul style="list-style-type: none">• Designed problems for "Instalogik", an annual math and programming contest, driving engagement in STEM education for primary school students.• Contributed to a 35% increase in participation in the second year, growing from 9K to 12K+ students. | |
| Computer Science Tutor <i>Instakod, IT korepetycje</i> | Apr 2022 - Aug 2024 |
| <ul style="list-style-type: none">• Delivered tutoring sessions in C++ and Python, focusing on algorithms and programming contests preparation for 20+ students. | |

ACHIEVEMENTS

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| Finalist of Polish Olympiad in Informatics <i>Warsaw</i> | March 2023 |
| <ul style="list-style-type: none">• 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. | |

PERSONAL PROJECTS AND CERTIFICATIONS

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| University Projects <i>University of Warsaw</i> | October 2023 - present |
| <ul style="list-style-type: none">• Dynamically loaded C library for handling combinational boolean circuits composed of NAND gates. github link.• Simplified simulation of urban traffic in Java with strong emphasis on OOP principles. github link.• C library for performing arithmetic operations on approximate values. github link.• Concurrent boolean circuit solver in Java, enabling parallel evaluation of complex boolean expressions. | |
| Algorithms and Data Structures Solutions | August 2021 - present |
| <ul style="list-style-type: none">• Solved over 500 complex problems during live contests or training. github link. | |
| NVIDIA Fundamentals of Deep Learning <i>Remote</i> | Aug 2024 |
| <ul style="list-style-type: none">• Completed a workshop on deep learning fundamentals, utilizing the PyTorch library to train neural networks for solving real-world challenges in computer vision and natural language processing. | |

LEADERSHIP / ACTIVITIES

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| Assistant Unit Leader <i>Związek Harcerstwa Rzeczypospolitej (Boy Scouts), Bytów</i> | Mar 2021 - Present |
| <ul style="list-style-type: none">• Co-organized multiple large-scale events, including 3 summer camps for over 100 participants, each lasting 4 weeks, enhancing team collaboration and social skills.• Led and coordinated groups of 20+ members, planning and executing complex tasks such as setting up campsites, demonstrating strong organizational and leadership abilities. | |
| Volunteering <i>Various Charities</i> | |
| <ul style="list-style-type: none">• 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. | |

SKILLS

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