

# MARYIA BABINSKAYA

Location: Krakow, Poland

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## Education

### Jagiellonian University

*Master's degree in Computer Science / Specialization: Software Engineering*

October 2024 – September 2026

Krakow, Poland

### Jagiellonian University

*Bachelor's degree in Computational Mathematics*

October 2021 – September 2024

Krakow, Poland

### Gymnasium No. 1 named after Academician Yefim Karsky

*Specialization: English and Mathematics. Graduated with honors. GPA: 100%*

September 2010 – May 2021

Hrodna, Belarus

Recognized as the best gymnasium in Belarus in 2018.

## Experience

### KION Group

*Service Automation Intern*

November 2024 – April 2025

Krakow, Poland

### Google

*Software Engineering Mentee, SkillUp Mentoring Program*

September 2024 – November 2024

Warsaw, Poland (remote)

Selected as one of 25 participants in the 5th edition, focused on advancing computer science students' careers. Developed both technical and soft skills through 1-on-1 mentoring and group workshops with Google engineers.

## Relevant Courses

- Algorithms and Data Structures
- Java Programming
- Object-oriented Programming
- Basics of Artificial Intelligence
- Advanced design/architectural patterns
- Effective Programming in Python
- Web Programming
- Programming Methods
- Abstract Algebra
- Mathematical Analysis and Logic
- Discrete Mathematics
- Topology

## Skills

**Languages:** Java (Intermediate), C++/C (Intermediate), Python (Beginner), HTML/CSS (Beginner), JavaScript (Beginner), Latex (Basic), R (Basic)

**Tools:** IntelliJ IDEA, CLion, PyCharm, VS Code, Git, GitHub, Make, CMake, MS Office, RStudio, Wolfram Mathematica, Telegram API

**Technologies/Frameworks:** Windows, Linux, Docker, Kubernetes, Node.js, Numpy, Pandas, Git

**Communication:** English (B2), Polish (C1), Belarusian (Native), Russian (Native), Italian (A1)

## Projects

### Home Climate | Java

- Developed a smart home system for real-time microclimate control, improving energy efficiency and comfort in residential buildings.
  - Automatically adjusts heating and cooling based on sensor data, potentially reducing energy consumption.
  - Helps users maintain a healthy indoor environment by monitoring temperature and humidity levels.
  - This system can be integrated into smart homes, contributing to the rise of IoT-based environmental management.

### SmartCart | C++

- Created a shopping cart application with discount tracking and flexible payment options, providing users with a seamless shopping experience.
  - Could be adapted for small businesses or online retailers to manage customer purchases efficiently.
  - Features like automatic discounts and real-time cart updates improve the user experience, fostering customer loyalty.
  - The design could scale into a full-fledged e-commerce system for local stores or markets.

## Additional information

### Founder of Local Environmental Project

Founded and led "Clean Trace" in hometown, organizing events and workshops on ecology and nature conservation, engaging over 70 local participants. Volunteered as part of the project, which gained recognition and led to an offer to run an online section in a local newspaper focused on environmental issues. Despite the suspension of this collaboration due to political events in Belarus, gained valuable skills in advocacy and project management.

### Math Tutor

Tutored middle and high school students in algebra, geometry, and calculus, creating tailored lessons that boosted their academic performance and confidence.