

KACPER GÓRSKI

+48 665 562 654 ◇ kacper.gorski.contact@gmail.com ◇ Warsaw, Poland

[Github](#) ◇ [Linkedin](#) ◇ [Personal Website](#)

OBJECTIVE

A passionate Software Engineer, currently pursuing a Bachelor's in Computer Science at the Warsaw University of Technology, seeking my first internship to apply my skills in full-stack development, system optimization, and software engineering.

EDUCATION

Bachelor of Computer Science, Warsaw University of Technology Expected 2027

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Architecture, Databases, Object-Oriented Programming, Application Programming, Introduction to Artificial Intelligence

SKILLS

Programming Languages:	C, C++, Python, Java, SQL, JavaScript, HTML, CSS, Assembly.
Frameworks & Tools:	React, Spring Boot, JavaFX, Node.js, MySQL, PostgreSQL.
Platforms:	Linux (Fedora, Ubuntu), Windows.
Other:	Algorithms & Data Structures, Git
Interpersonal Skills	Problem Solving, Creativity, Time Management, Adaptability, Teamwork

PROJECTS

[Tetris Clone.](#)

Developed a clone of the classic Tetris game using C++ and SFML. Implemented game logic, user interface, and game state management. Gained experience in game development, user interface design, and state management.

[Expense Tracker Desktop Application.](#)

Created a Java desktop application to manage expenses and income with features like user authentication, transaction management, and report generation (CSV, PDF, XLSX, TXT). Integrated MySQL for data storage and used encryption tools for secure user authentication.

[SQLite from Scratch.](#)

Reimplemented the SQLite database from scratch in C, including core functionalities and operations. Gained deep insights into database architecture, memory management, and query optimization.

[Mandelbrot Set Visualisation.](#)

Designed and implemented a Mandelbrot Set visualizer using x86-64 assembly and C, leveraging SDL2 for rendering dynamic fractals. Optimized the rendering process for performance, achieving smooth and real-time visualizations of fractal structures.

[E2E Spring Boot Login Verification.](#)

Developed a robust and secure user authentication system using Spring Boot and Spring Security, focusing on end-to-end security. Ensured a seamless user experience with secure login, registration, and role-based access control.

EXPERIENCE

Machine Operator

Ferrero Poland Ltd.

10/07/2023 – 30/09/2023

Warsaw, Poland

- Operated and monitored production machinery to ensure smooth and efficient operations.
- Packaged confectionery products into boxes, adhering to quality and safety standards.
- Assisted in the maintenance and troubleshooting of machinery to minimize downtime.

- Learned operational procedures within a large-scale enterprise, developed effective communication skills, and gained discipline in the workplace.

COURSES & CERTIFICATIONS

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| • CS50's Introduction to Databases with SQL , CS50 (by Harvard University) | 2024 |
| • CS50's Introduction to Artificial Intelligence with Python , CS50 (by Harvard University) | 2024 |
| • The Complete 2024 Web Development Bootcamp , Udemy (by Dr. Angela Yu) | 2024 |
| • Japanese Language Proficiency Test N3 , The Japan Foundation | 2023 |

LANGUAGES

- Polish: Native proficiency
- English: Full professional proficiency (C2)
- Japanese: Professional working proficiency (JLPT N3)
- German: Limited working proficiency (B1)
- French: Elementary proficiency (A1)

HOBBIES

- Language Learning: Passionate about mastering Japanese, German, and French to enhance cross-cultural communication.
- Software Engineering: Enthusiastic about coding and continuously exploring new technologies through self-learning.
- Fitness: Committed to a healthy lifestyle through regular gym workouts and strength training.
- Reading: Enjoy reading non-fiction books, particularly those focused on technology, personal development, and psychology.