

# ŁUKASZ LESZKO

ML Engineer

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## SUMMARY

Student at the University of Warsaw with a background in competitive programming and software engineer aiming to specialize in Machine Learning. Skilled in mathematics and passionate about applying knowledge to impactful projects.

## SKILLS

**Languages:** Python, C++, Rust, Haskell, TypeScript, Java  
**ML:** PyTorch, Transformers, ONNX, scikit-learn, NumPy, Polars  
**Web:** React, Django, FastAPI, Spring  
**DevOps:** Docker, Google Cloud, Nix

## EXPERIENCE

7/2024 – 10/2024 **Junior Software Engineer** RadCode, Warsaw

### Project

- Worked as a contractor for an American startup founded by a Forbes 30 Under 30 laureate.
- Developed a Web3 protocol with goal to innovate decentralized finance (DeFi).

TypeScript, Solidity, ReactJS, Hardhat, Vite, GraphQL

7/2023 – 7/2024 **Junior Software Engineer** Cognizant, Warsaw

### Project 1

- Acted as a project lead, actively contributing to the development of an internal web application using the Kanban methodology.
- Successfully deployed version 2.0 of the application.

Java, Kotlin, Spring, Jenkins, TypeScript, ReactJS, Vite, MongoDB, SendGrid

### Project 2

- Worked as contractor for American company.
- Refactored and optimized the application's codebase to adhere to clean code standards.
- Integrated Kafka using outbox pattern for efficient message queuing and processing.

Java, Spring, GitHub Actions, TypeScript, ReactJS, PostgreSQL, Kafka

## EDUCATION

2024 - current **M.Sc. in Machine Learning** University of Warsaw  
*Elective courses:* Data Mining, Engineering Distributed Infrastructure, Robot Learning

2022 - current **B.Sc. in Mathematics** University of Warsaw  
*Relevant courses:* Statistical Data Analysis, Machine Learning (GenAI)

2021 - 2024 **B.Sc. in Computer Science** University of Warsaw  
*Relevant courses:* Machine Learning (classical methods)  
*Thesis:* Gitoptim - a tool for automating programmer's work using large language models

## PROJECTS

### Git Optim

Developed as part of my Bachelor's thesis in Computer Science. Web application that utilizes Large Language Models to analyze code in git repositories. It reports bugs, offers code improvement suggestions, and automates the generation of unit and Memlab tests.

TypeScript, Next.js, FastAPI, Typer, Python, Accelerate, Llama.cpp, ChromaDB

Many more projects are available in my portfolio and GitHub profile.

## ACHIEVEMENTS

- Distinction in the 1st round of the 28th Polish Olympiad in Informatics
- Finalist of the 4th edition of the Jagiellonian Mathematics Tournament
- Tutored two participants of Polish Olympiad in Informatics. One reached international level.

## LANGUAGES

English - B2/C1 (FCE Certificate), Polish - native

## INTERESTS

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- Open source: contributed to LibreOffice
- Programming languages (compilers, language design)
- Linux