

# ŁUKASZ LESZKO

ML Engineer

Preferred locations: Warsaw, remotely or short-term abroad.



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## SUMMARY

Student at the University of Warsaw with a strong background in competitive programming and **1 year** of professional software development experience. Knowledgeable about applying machine learning to real-world projects, such as **Git Optim** and **QUMAM**. Solid foundation in mathematics and driven to apply technical expertise to high-impact solutions.

## SKILLS

**Languages:** Python, C++, Rust, Haskell, TypeScript, Java  
**ML:** PyTorch, Transformers, ONNX, scikit-learn, NumPy, Polars  
**Web:** React, Django, FastAPI, Spring  
**DevOps:** CI/CD, Kubernetes, Google Cloud, Terraform, DVC

## PROJECTS

### Git Optim

Developed as part of my Bachelor's thesis in Computer Science. Web application that utilizes Large Language Models (**LLMs**) to monitor CI/CD pipelines for warnings and errors in job logs. Upon detection, it automatically creates pull request with suggested fixes.

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

### QUMAM

Learning platform for managing math courses and students. It offers rich UI for creating courses and exercises, as well as a student portal for tracking progress. Includes **LLM** capabilities like math task generation from image.

Python, LiteLLM, OpenAI, TypeScript, React, Django, PostgreSQL

Many more projects are available in my [portfolio](#) and [GitHub profile](#).

## EXPERIENCE

7/2024 – 10/2024	<b>Junior Software Engineer</b>	RadCode, Warsaw
<ul style="list-style-type: none"><li>Worked as a contractor for an American startup founded by a Forbes 30 Under 30 laureate.</li><li>Developed a Web3 protocol with goal to innovate decentralized finance (DeFi).</li></ul> <p>TypeScript, Solidity, ReactJS, Hardhat, Vite, GraphQL</p>		
7/2023 – 7/2024	<b>Junior Software Engineer</b>	Cognizant, Warsaw
<p><b>Project 1</b></p> <ul style="list-style-type: none"><li>Acted as a project lead, actively contributing to the development of an internal web application using the Kanban methodology.</li><li>Successfully deployed version 2.0 of the application.</li></ul> <p>Java, Kotlin, Spring, Jenkins, TypeScript, ReactJS, Vite, MongoDB, SendGrid</p> <p><b>Project 2</b></p> <ul style="list-style-type: none"><li>Worked as contractor for American company.</li><li>Refactored and optimized the application's codebase to adhere to clean code standards.</li><li>Integrated Kafka using outbox pattern for efficient message queuing and processing.</li></ul> <p>Java, Spring, GitHub Actions, TypeScript, ReactJS, PostgreSQL, Kafka</p>		

## EDUCATION

2024 - current	<b>M.Sc. in Machine Learning</b> <i>Elective courses:</i> Data Mining, Engineering Distributed Infrastructure, Robot Learning	University of Warsaw
2022 - current	<b>B.Sc. in Mathematics</b> <i>Relevant courses:</i> Statistical Data Analysis, Machine Learning ( <b>GenAI</b> )	University of Warsaw
2021 - 2024	<b>B.Sc. in Computer Science</b> <i>Relevant courses:</i> Machine Learning (classical methods) <i>Thesis:</i> Gitoptim - a tool for automating programmer's work using large language models	University of Warsaw

## 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

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