

ŁUKASZ LESZKO

ML Engineer

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

+48 ...

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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: Docker, Google Cloud, Nix

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

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	Junior Software Engineer	RadCode, Warsaw
<ul style="list-style-type: none">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). <p>TypeScript, Solidity, ReactJS, Hardhat, Vite, GraphQL</p>		
7/2023 – 7/2024	Junior Software Engineer	Cognizant, Warsaw
<p>Project 1</p> <ul style="list-style-type: none">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. <p>Java, Kotlin, Spring, Jenkins, TypeScript, ReactJS, Vite, MongoDB, SendGrid</p> <p>Project 2</p> <ul style="list-style-type: none">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. <p>Java, Spring, GitHub Actions, TypeScript, ReactJS, PostgreSQL, Kafka</p>		

EDUCATION

2024 - current	M.Sc. in Machine Learning <i>Elective courses:</i> Data Mining, Engineering Distributed Infrastructure, Robot Learning	University of Warsaw
2022 - current	B.Sc. in Mathematics <i>Relevant courses:</i> Statistical Data Analysis, Machine Learning (GenAI)	University of Warsaw
2021 - 2024	B.Sc. in Computer Science <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