# ŁUKASZ LESZKO

Software 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:** *Good knowledge of*: Java, Python, C++, TypeScript, HTML, CSS, SQL.
*Basic knowledge of*: Kotlin, Rust, OCaml, Haskell, R.

**Frameworks:** *Good knowledge of*: React, Pytorch, Numpy, Polars
*Basic knowledge of*: JAX, ONNX, Sklearn, Spring, Django, FastAPI, Next.js, Astro, React Native

## 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 revolutionize 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** **Master of Machine Learning** **University of Warsaw**
Elective and relevant courses: Data Mining, Robot Learning

**2022 - current** **Bachelor of Mathematics** **University of Warsaw**
Relevant courses: Statistical Data Analysis

**2021 - 2024** **Bachelor of Computer Science** **University of Warsaw**
*Elective and relevant courses*: Functional programming (OCaml), Machine Learning, Reasoning in Software Systems
*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 on my 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**

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