

# Łukasz Łapiński

lukaszlapinski7@gmail.com ❖ (contact me for the phone number) ❖ Warsaw, Poland

Website: [lkk7.com](http://lkk7.com) ❖ GitHub: [github.com/lkk7](https://github.com/lkk7) ❖ LinkedIn: [linkedin.com/in/lkk7](https://linkedin.com/in/lkk7)

## EXPERIENCE

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### SOLWIT SA

Software Engineer

Apr. 2023 – Jun. 2023

- Implemented C++ middleware that integrates PyTorch/TensorFlow operators into a dedicated AI chip for an NDA client.
- Assured correctness and performance of implemented operations through low-level C++ and high-level Python testing.

### MicroStrategy, Warsaw, Poland

Software Engineer

Jan. 2022 – Apr. 2023

Associate Software Engineer

Apr. 2021 – Jan. 2022

- Played a key role in creating Data Source Manager – a complex React plugin written in TypeScript that redefined how MicroStrategy clients add and manage their data sources. Influenced the design and strategic choices from the very beginning to ensure successful replacement of a legacy product.
- Synchronized with teams across various locations (U.S., China, Poland) and tech stacks (C++, TypeScript, JavaScript, Java, Python, and more) to deliver end-to-end features. One notable achievement was extending authentication functionality with no prior experience, which played a role in securing a crucial contract.
- Addressed critical bugs in the C++ server, engaging with clients to identify problem sources under deadlines and pressure.
- On the side, continuously improved a legacy product using an internal JavaScript library. Dug into the old code to optimize search operations, speeding them up by over 10x.

### EXATEL, Warsaw, Poland

Intern – C++/Python

Aug. 2020 – Sept. 2020

- Improved a DDoS attack detection and mitigation system in a test-driven CI/CD environment.
- Quickly learned essential concepts to deliver features – did the initial version of some algorithms for IPv6 packets with zero prior knowledge.
- Navigated through microservices to find the source of issues in a Python dashboard web application for clients and fix them.

## EDUCATION

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### Warsaw University of Technology

Oct. 2017 – Feb. 2021

Technical Physics, BEng, specialization: Computer Physics

- In a scientific context, worked with: Python; C; C++; Bash; Java; HTML/CSS/JS; Linux systems.
- Thesis: “Implementation of an artificial neural network neuroevolution algorithm”.

## SKILLS & INTERESTS

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- C++; Python; JavaScript; TypeScript; Git
- Basic knowledge, experience, and certificates in Google Cloud & DevOps
- Mathematics; physics; statistics; a few machine learning certificates
- Desire to learn and improve!
- Interests: English, music, animals.