

SOFTWARE ENGINEERING EXPERIENCE

- **Jane Street – Software Developer Internships** London (2022, 2023), New York (2024).
In total, three internships, two projects each.
 - **Example project – OCaml compiler with debuggers:** Made the OCaml language work with gdb/lldb debuggers. Extended the OCaml compiler with debug info of variable types, implemented generic support for variant types and specifically for OCaml in lldb. Before that, it was not possible to print the contents of OCaml variables in the debugger. Code is open source [here](#) and [here](#). The project was successful, I made my **master's thesis** about it.
 - **Technical challenges:** The wide spectrum of projects made me work on both low-level high-latency system (one project required optimizing a system that is run on thousands of CPUs) to designing high-level systems (one project required extensive design of a system that could fail at any moment).
 - **Non-technical challenges:** A few projects were open-minded and required me to understand where the project will head. In one project I had to communicate closely with a non-developer to understand the product that he asked for.
- **Rust language tooling:** [My bachelor's thesis](#) is about extending a linter for the Rust language that detects semantic versioning violations. **Wrote a [blog post](#)** describing the important results of the thesis. It is now used by companies like **Google, Microsoft, Amazon, Mozilla, Adobe**, and by some of the biggest Rust libraries.

COMPETITIONS (SPORTS PROGRAMMING)

- ICPC World Finals: **medalist of ICPC WF 2023** and finalist of ICPC WF 2024.
 - In ICPC take part 60000 students yearly, 3400 universities, 104 countries. Only top 12 teams worldwide get a medal.
- ICPC European Championship: **winner of EUC 2024** – from a competition with top 52 European teams (24 countries).
- ICPC Central Europe Regional Contest: **golden medalist of CERC** 2022, 2023, 2024, medalist in 2021 and 2020.
- Central European Olympiad in Informatics: **winner of CEOI 2020** – top high school student from 13 countries.
- International Olympiad in Informatics: **medalist of IOI 2020**.
- Polish Olympiad in Informatics: **winner of POI 2020**, medalist of POI 2019, finalist of POI 2018.

EDUCATION

University of Warsaw

Bachelor's degree in Computer Science

2020–2023

- One of the **2 students out of around 160** to receive an „Exceptional 5!” final grade.

University of Warsaw

Master's degree in Computer Science

2023–2025

- **Teaching:** I was conducting classes in *Text algorithms* for bachelor and master students. My classes were one of the [top rated ones](#) from the whole campus.

ORGANIZATION OF COMPETITIONS

- **Chair of the Jury** of the Baltic Olympiad in Informatics (2025).
- **Vicechair of the Jury** of the Polish Olympiad in Informatics (2023 – 2025).
 - Overseeing/preparing the competitions and making the main decisions.
 - Initiated a lot of side projects.
 - Mentored a few programmers.
- Team leader of the Polish national team in IOI 2021, CEOI 2021, BOI 2021, 2022, 2023 and 2024.