Tomasz Nowak

Email: tomasz.nowak@tonowak.com GitHub: github.com/tonowak
LinkedIn: tomasz-nowak-tonowak GitLab: gitlab.com/tonowak

EXPERIENCE

- **Jane Street** – *Software Developer Internship*   London, 2022 and 2023
    - **2023, first project:** worked with a trader/researcher to implement a tool for analyzing and calculating some historical data of securities for determining risks and benefits of holding a bond.
    - **2023, second project:** made OCaml work with gdb/lldb; extended the OCaml compiler with debug info of variable types and implemented support for OCaml and its variant types in lldb (a part of the llvm project).
    - **2022, first project:** extended a company product for their clients to support multiple types of securities.
    - **2022, second project:** designed and implemented an asynchronous system for retrieving and sending data across multiple sources, with a focus on reconnections, error handling and correctness.

EDUCATION

University of Warsaw
Bachelor's degree in Computer Science, **GPA 4.95 / 5.00.**   2020–2023

- One of the **2 students out of around 160** to receive an ,,Exceptional 5!'' final grade.
- <u>Thesis</u>: "Accelerating package expansion in Rust through development of a semantic versioning tool".
  Wrote a blog post (link soon) describing the important results of the thesis.
  My code in this project is now used by companies like **Microsoft, Amazon, Mozilla and Adobe**, and by some of the biggest Rust libraries.

University of Warsaw
Master's degree in Computer Science, work in progress.   2023–2025

- **Teaching:** I'm conducting classes in *Text algorithms* (one of the additional classes that bachelor's and master's students have to choose from) while still being a student.

COMPETITIONS (SPORTS PROGRAMMING)

- ICPC World Finals: **finalist of ICPC WF 2022** (which will happen in November 2023).
- ICPC Central Europe Regional Contest: **golden medalist of CERC 2022, medalist of CERC 2021 and 2020**.
- Central European Olympiad in Informatics: **winner of CEOI 2020**.
- International Olympiad in Informatics: **medalist of IOI 2020**.
- Polish Olympiad in Informatics: **winner of POI 2020**, medalist of POI 2019, finalist of POI 2018.
- Polish Olympiad in Mathematics: finalist of POM 2020 and POM 2019.

ORGANIZATION OF COMPETITIONS

- **Vicechair of the Jury** of the Polish Olympiad in Informatics (2023 – 2025).
- Member of the Jury of the Polish Olympiad in Informatics and Junior Olympiad in Informatics, member of Polish Olympiad in Informatics' Task Commision (2020 – Current).
- Team leader/deputy leader of the Polish national team in IOI 2021, CEOI 2021, BOI 2021, BOI 2022, BOI 2023.
- Each year organizing one or two algorithmic camps for high school students to prepare them for competitions.

LANGUAGES

English, Polish, French

PROGRAMMING LANGUAGES

Rust, C++, OCaml, Python, C, Java, Haskell