

Filip Rabeiga

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Basic Info

 : filip.rabeiga@gmail.com
 : <https://rabiega.xyz>

 : git.rabeiga.xyz

- Math student at the [University of Wrocław](#) .
For more information, go here: [my webpage](#) .
- Part-time math teacher at the [14th High School](#) . I teach mostly olympiad-level math. Some of my students have achieved success in the [Polish Math Olympiad](#) .

Institutions

2024-Now	Masters of Science in theoretical mathematics <i>University of Wrocław, Wrocław</i> Focusing on various theoretical fields, in particular C^* -algebras, as well as applied math. My advisor: Mariusz Tobolski
2021-2024	Bachelors in math and computer science <i>University of Wrocław, Wrocław</i> Degree in two fields done at once. Thesis: Minimality of $\mathbb{F}_p^{\text{alg}}$ with an automorphism . My advisor: Tomasz Rzepecki
2018-2021	High school diploma <i>14th High School, Wrocław</i>

Work experience

PART-TIME MATH TEACHER	14th High School, Wrocław <i>October 2024 – June 2025</i> teaching Olympiad-level math to ambitious students.
DATA SCIENCE INTERN	Data Walk S.A., Wrocław <i>August 2023 – December 2023</i> Working on optimizing search queries in distributed databases as well as implementing graph algorithms in SQL. Tech stack: Python, SQL, DataHub
EMBEDDED SYSTEMS INTERN	CMI S.A., Wilczyce <i>July 2022 – September 2022</i> Programming drivers that store and share data for a company product. Tech stack: C/C++

Languages

COMPUTER	Python, C, OCaml, SQL, bash/shell, some superficial knowledge of C++, R, Haskell and AWK; markup languages including $\text{\LaTeX}$ / $\text{\XeTeX}$, R Markdown, HTML, CSS.
HUMAN	Polish, English, Japanese (all fluent), intermediate Chinese and German, elementary knowledge of Spanish.

Tools I Use

Some Libraries & Frameworks I'm Familiar With

NumPy, Pandas, Matplotlib, BeautifulSoup, glibc, asio, dplyr, ggplot2, dream

Some Programs & Platforms I'm Familiar With

VSCode, DataHub, MS Office suite, MS Azure, scrum, RStudio, pandoc, Jupyter, PostgreSQL. I've also managed websites manually via ssh and vim using HTML/CSS/PHP.

Usual Workflow

I'm a team-oriented person and I enjoy building relationships and being part of a team. I prefer to work in a terminal-based environment. I've run Microsoft, MacOS and GNU/Linux systems (both Debian and Arch-based varieties; currently running Void Linux on my mainframe).

Public Code and Scripts

2024-2025	Chadcrawler & Chadscrapper <i>Tool for crawling and scraping websites, storing data in CSV format.</i> A series of Python programs that can be used for acquiring data from websites and storing it.
2024	Chadprover <i>Software for automated proofs.</i> A simple theorem prover written in OCaml using the Dream web framework.
2022	Chafunix-fs <i>A simple UNIX filesystem.</i> Written exclusively in C.

Hobbies

Mathematics, technology, linguistics. I also practice kendo, which is a Japanese martial art similar to fencing.

Wyrażam zgodę na przetwarzanie moich danych osobowych dla potrzeb niezbędnych do realizacji procesu rekrutacji zgodnie z Rozporządzeniem Parlamentu Europejskiego i Rady (UE) 2016/679 z dnia 27 kwietnia 2016 r. w sprawie ochrony osób fizycznych w związku z przetwarzaniem danych osobowych i w sprawie swobodnego przepływu takich danych oraz uchylenia dyrektywy 95/46/WE (RODO).