

Arthur Frisk

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Experience

- Summer 2024 **Summer intern, Soilleux Group at the Department of Pathology, Cambridge**
- Developed a public database and website that will feature in an upcoming publication.
 - Worked closely with researchers to understand the project's goals and the relevant biology, and found strategies for effective communication both ways.
 - Programmatically filtered, normalised and combined large sets of inconsistently formatted bioinformatics data; found efficient models to store and search it.
- Summer 2023 **Software engineering intern, Gearset, Cambridge**
- Using JavaScript and C#, developed an internal status page which presented summarised data about internal services and their reliability around releases.
 - Took initiative to resolve a long-standing (5+ years) customer request, designing and implementing a new feature while ensuring input from clients and the product team.
- 2022–2023 **Co-founder/developer, Rubriq, Sweden**
- Using Python, developed data analysis algorithms in order to measure question difficulty and track user progress.
 - In charge of producing technical documents for internal use and documentation, making our work and decision-making more efficient (e.g. a technical MVP).
- 2017–2021 **Part-time web developer, Rolima, Uppsala, Sweden**
- Automated several company tasks, writing scripts to e.g. download and organise thousands of files or automatically generate and email 100+ invoices annually.
 - Programmed a website for sharing and solving maths problems, including functionality for live online competitions.
- 2021 **Diploma project, Katedralskolan**
- Combined mathematical theory with computations in Python and C++ to count the initial states of a card game up to symmetry and prove moves were optimal.
 - Trained neural networks to play the game using reinforcement learning.

Education

- 2021–2025 **BA + MMath in Mathematics, University of Cambridge**
- Attained a Class I in each year of undergraduate examinations.
 - Was awarded an Academic Exhibition for “outstanding academic performance” each year, and the William Pochin Scholarship in my final year.
- 2018–2021 **Natural Sciences Program, Katedralskolan, Uppsala, Sweden**
- Attained a final grade of 22.40 out of 22.50.

Awards and skills

- 2021 Awarded 25 000 SEK by the *Anna Whitlocks Minnesfond* grant.
- Native Swedish speaker. Fluent in English.
 - Proficient in JavaScript/TypeScript, C#, C++, Python, PHP and Haskell, with advanced experience in SQL, Git and Unix.
Experienced with full-stack web-development both with and without frameworks such as React, and with UI/UX design.
Experienced in real-world object-oriented design and test-driven development.
 - Non-academic interests include involvement in literary magazines and university societies for poetry (writing, editing, hosting events).