# Stijn Vermeeren

stijn@stijnvermeeren.be – +41 77 421 47 07 www.stijnvermeeren.be – github.com/stijnvermeeren Nationality: Belgian Current residence: Spiez, Switzerland (C permit)



I am a PhD in mathematics with ten years of professional experience in data

science, both as an engineer, as well as as a team/project lead. I excel at managing and breaking down complexity in software systems and data pipelines, and at explaining complicated concepts to a wider audience. I love challenging mathematical problems, logical puzzles, learning foreign languages, hiking and skiing in the mountains, and strategical board game such as go and chess.

# **Professional experience**

### Jul 2023 – current

### **Project Lead Data Science**

## Federal office of topography swisstopo, Bern, Switzerland

Lead for Data Science projects in the Data Management team of the Swiss Geological Survey.

Project management certification: HERMES Foundation (2022 release).

Experience with government **procurement** in accordance with the **WTO** agreement.

Focus topics: intelligent document processing, cloud computing on AWS

## Sep 2022 – Jun 2023

**Sabbatical** Traveling in Europe and Latin America.

## Jun 2013 – Aug 2022

Head of Al Starmind, Zürich, Switzerland

After joining as the first full-time data scientist, I built up Starmind's AI technology almost from scratch. Over the years, I recruited and mentored a total of ten other data scientists.

Owner of several micro-services programmed in Scala and Python, data pipelines, and services based on Elasticsearch and spaCy.

Focus topics: natural language processing (text), recommendation systems, full-text search.

# Education

# Sep 2009 – Mar 2013

PhD in Mathematics

# University of Leeds, England

Fully funded PhD scholarship from the University of Leeds.
Thesis title: "Notions and Applications of Algorithmic Randomness".
Supervisors: S. Barry Cooper, Andy Lewis.
Research areas: mathematical logic, computability theory, Turing degrees, Kolmogorov complexity.

### 2008 - 2009

Master of Advanced Studies in Mathematics University of Cambridge, England Cambridge European Trust bursary recipient.

### 2005 - 2008

Bachelor in Mathematics Katholieke Universiteit Leuven, Belgium

# Other key achievements

**tijdloze.rocks** (stats website on an annual music chart from Belgian radio StuBru) Ca. 10.000 unique visitors each year on the day of the radio program Fully open source (Vue/Nuxt frontend, Scala/Play & MySQL backend)

**Defensiepuzzel** 2018 (cryptographic challenge from the Belgian secret service) 1st ranked team

#### Flemish Mathematical Olympiad 2005

First Prize

#### International Mathematical Olympiad 2005

Honourable Mention

# Language skills

**Dutch** (Flemish) Native speaker

#### English, German (incl. Swiss German) Fluent

French\*, Italian, Spanish, Norwegian, Swedish Good understanding (\* C1 level course in progress)

Danish, Czech Basic knowledge