



# Edouard Brühlhart

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AUTONOMOUS · PROACTIVE · STRUCTURED · CONSCIENTIOUS · ANALYTICAL

## DATA SCIENCE ENGINEER

### Skills

- Collect, clean, prepare, analyze and visualize data and metadata from diverse sources
- Supervise and manage IT infrastructures and cloud environments
- Create and maintain clean documentation and technical reports
- Develop and maintain softwares and web applications for diverse Operating Systems
- Design, deploy, and improve data processing pipelines integrated into CI/CD workflows
- Create, design and optimize relational and non-relational databases
- Collaborate and communicate easily within multidisciplinary teams
- Follow programming best practices, including code versioning, separation of concerns, and testing

### Experience

#### Junior Researcher – fixed-term contract

UNIVERSITY OF FRIBOURG, EARTH METABOLOME INITIATIVE

2025

#### Junior Researcher – fixed-term contract

UNIVERSITY OF FRIBOURG, EARTH METABOLOME INITIATIVE

2024

#### Metabolomic Platform Assistant – fixed-term contract

UNIVERSITY OF FRIBOURG, MAPP METABOLOMICS

2023

#### Master Thesis – Manager in Samples and Collection

UNIVERSITY OF FRIBOURG, EARTH METABOLOME INITIATIVE

2022 – 2024

#### Security Agent

PHOENIX SECURITY, BELFAUX

2019 – 2022

### Education

#### Master of Science in Environmental Biology, Option Plant and Microbial Sciences

UNIVERSITY OF FRIBOURG

2024

- Won the Syngenta Crop Protection price 2024 for the best average grade of the promotion – 5.47/6

#### Bachelor of Science in Geography

UNIVERSITY OF FRIBOURG

2022

### Side activities

#### Full-Stack Developer

Corserey

MANEXP

2024 - PRESENT

- Development of the Progressive Web Application called Manexp to manage a farm using Kotlin
- Link: <https://manexp.ch>

#### Home brewer

Corserey

BRASSERIE DE LA SCIE-AU-CROT

2020 - PRESENT

### Softwares

General	MSSoftice***, LibreOffice***
Programming	Visual Studio Code***, IntelliJ Idea***, Android Studio**
Biology	Xcalibur*, Proteowizard**, MS Convert**, Cytoscape**
Geography	QGIS***, ArcGIS*, Structure From Motion**

\* occasional use    \*\* regular use    \*\*\* daily use

### Programming

Languages	Kotlin, LaTeX, Python, R, Rust, SQL
DevOps	Bash, Docker, Git, GitHub, GitHub Actions, Google Cloud

### Languages

French	native language
English	C1
German	B2

### Interests

Sport	Football, Mountain bike, Ski practice
Biology	Entomology, Botany