



Edouard Brühlhart

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LOGICAL · PRECISE · EFFICIENT · DETERMINED · CONSCIENTIOUS

IMPLEMENTATION SCIENTIST

Skills

- Receive, process and analyze Next Generation Sequencing data (Illumina, PacBio, Nanopore)
- Perform statistical analyses and data visualization on biological data
- Manage systems (Ubuntu, RHEL) and cloud environments (GCP)
- Collect, process and analyze samples in a wet lab and collect metadata
- Create and maintain automation scripts and pipelines with Python and Bash
- Create and maintain containerized applications with Docker
- Design and manage Relational Databases (PostgreSQL, MySQL, MariaDB, SQLite)
- Communicate and transmit information efficiently to both technical and non-technical audiences

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, Google Cloud

Languages

French	native language
English	C1
German	B2

Interests

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