



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

University of Fribourg, Earth Metabolome Initiative

JUNIOR RESEARCHER – FIXED-TERM CONTRACT

Fribourg, Switzerland

2025

University of Fribourg, Earth Metabolome Initiative

JUNIOR RESEARCHER – FIXED-TERM CONTRACT

Fribourg, Switzerland

2024

University of Fribourg, MAPP Metabolomics

METABOLOMIC PLATFORM ASSISTANT – FIXED-TERM CONTRACT

Fribourg, Switzerland

2023

University of Fribourg, Earth Metabolome Initiative

MASTER THESIS – MANAGER IN SAMPLES AND COLLECTION

Fribourg, Switzerland

2022 – 2024

Phoenix Security

SECURITY AGENT - PART-TIME CONTRACT

Belfaux, Switzerland

2019 – 2022

Education

University of Fribourg

MASTER OF SCIENCE IN

ENVIRONMENTAL BIOLOGY, OPTION

PLANT AND MICROBIAL SCIENCES

Fribourg, Switzerland

2024

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

University of Fribourg

BACHELOR OF SCIENCE IN GEOGRAPHY

Fribourg, Switzerland

2022

Side activities

Manexp

FULL-STACK DEVELOPER

- Developed a Progressive Web Application – PWA to manage farms.
- Link: <https://manexp.ch>

Switzerland

2024 - PRESENT

Brasserie de la Scie-au-Crot

HOME BREWER

Switzerland

2020 - PRESENT

Softwares

General MSOffice^{***}, 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, daily at work

German B2, casual at work

Interests

Sport Football, Mountain bike, Ski practice

Biology Entomology, Botany