



# Edouard Brühlhart

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EFFICIENT · PERSEVERING · CURIOUS · DETERMINED · CONSCIENTIOUS

## SOFTWARE APPLICATION ENGINEER

### Skills

- Design, implement and maintain relational databases (PostgreSQL, MySQL, MariaDB). Open to learn MSSQL.
- Create and maintain containerized applications with Docker
- Manage projects on Google Cloud Platform
- Manage systems (Ubuntu, RHEL), cloud computing resources and databases
- Create and maintain automation scripts with Python and Bash

### Experience

#### University of Fribourg, Earth Metabolome Initiative (EMI)

JUNIOR RESEARCHER (100%) – FIXED-TERM CONTRACT

Fribourg, Switzerland

Mar. 2025 – Jun. 2025

#### University of Fribourg, Earth Metabolome Initiative (EMI)

JUNIOR RESEARCHER (60%) – FIXED-TERM CONTRACT

Fribourg, Switzerland

Jul. 2024 – Dec. 2024

#### University of Fribourg, MAPP Metabolomics

METABOLOMIC PLATFORM ASSISTANT (30%) – FIXED-TERM CONTRACT

Fribourg, Switzerland

Nov. 2023 – Dec. 2023

#### University of Fribourg, Earth Metabolome Initiative (EMI)

MASTER THESIS – MANAGER IN SAMPLES AND COLLECTION

Fribourg, Switzerland

Sep. 2022 – Jun. 2024

#### Phoenix Security

SECURITY AGENT – PART-TIME CONTRACT

Belfaux, Switzerland

Dec. 2019 – Nov. 2022

### Education

#### University of Fribourg

Fribourg, Switzerland

MASTER OF SCIENCE IN

ENVIRONMENTAL BIOLOGY, OPTION

2024

PLANT AND MICROBIAL SCIENCES

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

#### University of Fribourg

Fribourg, Switzerland

BACHELOR OF SCIENCE IN GEOGRAPHY

2022

### Side activities

#### Manexp

Switzerland

FULL-STACK DEVELOPER

Jul. 2024 – PRESENT

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

#### Brasserie de la

#### Scie-au-Crot

Switzerland

HOME BREWER

Jun. 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

### Languages

**French** native language

**English** C1, daily life at work

**German** B1, casual at work

### Programming

**Languages** Kotlin, LaTeX, Python, R, Rust, SQL

**DevOps** Docker, Git, Bash, Google Cloud

### Interests

**Sport** Football, Mountain bike, Ski

**Biology** Entomology, Botany