



Dylan Reid Ramelli  
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#### Address

Via Pratocarasso 14  
6500, Bellinzona  
Switzerland

#### Date of Birth

05.09.1997

#### Nationality

CH/USA

#### Driving Licence

A,B

#### Links

Personal Github  
LinkedIn  
Utopia  
M.A.R.S  
Sgrid

#### Languages

English: Mother tongue  
Italian: Mother tongue  
German: Proficient  
French: Conversational

# Dylan Reid Ramelli

## Education

**2019 - 2023, USI Università della Svizzera Italiana**

Bachelor of Science in Informatics

**2015 - 2018, High School Breganzona**

Swiss Federal Matura

## Experience

**May 2024 - May 2025, Project Engineer, AFRY**

Detailed achievements:

- Developed project plans and guidelines that provided a roadmap for the successful completion of federal highway IT infrastructure projects
- ICT consultant in the procurement of a "Standard IT Application" for the canton of Ticino's office of Treasury
- Researched and recommended operating system migration to improve system performance and user experience on a United Nations Renovation project

**January 2020 - April 2024, Research Assistant, USI - Università della Svizzera Italiana**

- Collaborator on the creation of a frontend interface for Utopia. The project's focus was on API design
- Collaborator on the research project FRANETG. "Fracture Network Growth". The focus was on restructuring the entire CMake project to improve CI/CD

## Software Development Skills

### Programming

- |       |         |              |
|-------|---------|--------------|
| ◦ C++ | ◦ CMake | ◦ Python     |
| ◦ C   | ◦ Java  | ◦ Typescript |

### Computer Software

- |                 |              |           |
|-----------------|--------------|-----------|
| ◦ Unreal Engine | ◦ Vulkan API | ◦ Blender |
|-----------------|--------------|-----------|

## Projects

**2023, Bachelor Project, Rotation of Multidimensional Signals with Spectral Schemes, USI Università della Svizzera Italiana**

The goal of this project is to rotate multidimensional signals (images, 3D models) while maintaining a high degree of accuracy and performance.

## References

**Dr. Diego Rossinelli from USI - Università della Svizzera Italiana**

diego.rossinelli@usi.ch

**Dr. Patrick Zulian from USI - Università della Svizzera Italiana**

patrick.zulian@usi.ch

## Interests

### Professional & Personal

Ski Instructor G+S, Paragliding Pilot, Game Development