




# ROMAIN GRAUX

Data Science/Cryptography student

## PERSONAL

 14th August 1999

 Route Neuve 3,  
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Switzerland

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 graux.romain@  
protonmail.com

## LANGUAGES

**French** Native

**English** Fluent


## LINKS

 RomainGrx

 romaingraux

## LICENSES

 B, BE

 ICC (inland and coast, mo-  
tor and sail)



## PROFILE

I'm a young student of 22 years old in my last year of master in Data Science at EPFL. Initially made in Belgium, I moved to Switzerland in September 2021 in order to finish my master degree and explore the landscapes.

I am really interested in many topics such as cybersecurity, artificial intelligence or even computer network. But this is not an exhaustive list, I am always hungry to learn and be challenged on any topics (even topics far from bits and electricity).

During my free time I usually do bike (trial and downhill), water sport (Boat, wakeboard, ski, ...) or any sport that keeps me in shape (tennis, rowing, swimming, ...).

## EDUCATION

**2021 - 2022**

**M.S. Data Science Engineering**

École Polytechnique Fédérale de Lausanne

Last year of the Master's degree in Erasmus at EPFL.

**2020 - 2022**

**M.S. Data Science Engineering**

École Polytechnique de Louvain

Master's degree in Data Science with first year realized at Louvain-la-Neuve and second year in Erasmus.

**2017 - 2020**

**B. Sc. Engineering**

École Polytechnique de Louvain

Bachelor degree in Engineering with Computer Science major and Applied Mathematics minor.

**2011 - 2017**

**High School Degree**

Institut Saint-Joseph

High School with mathematics (8h/week) and science (7h/week) options; Final thesis on transition to renewable energy.

## CERTIFICATIONS

Jul 2020 - Jul 2023

### TensorFlow Developer Certificate

Demonstrate the proficiency in using TensorFlow to solve deep learning and ML problems (Computer vision, timeseries and NLP).

## SKILLS

|        |        |
|--------|--------|
| Python | 4+ yrs |
| C/C++  | 3+ yrs |
| Java   | 3+ yrs |
| Linux  | 3+ yrs |
| GIT    | 3+ yrs |
| Vim    | 2+ yrs |
| Go     | 1+ yrs |

non-exhaustive list...

## EXPERIENCE

### IT & Knowledge Manager Academics For Development

Sep 19 - Sep 21

In charge of the website development of Academics For Development and all the team accounts and access. Academics for Development is a non-profit organization founded on social entrepreneurship. Through projects and on-campus events, we strive to give students the opportunity to enrich themselves and have durable social impact.

#### Technologies include:

- Wordpress for the website development.
- Google Suite for emails and drive access.
- Slack for in-team communications.

### Teaching Assistant École Polytechnique de Louvain

Sep 20 - Jun 21

I gave practice sessions to students (between 20 and 50 per session) for 5 different courses:

- LINFO1121 Algorithmique et structures de données
- LEPL1108 Mathématiques discrètes et probabilité
- LEPL1104 Méthodes numériques
- LEPL1106 Signaux et Systèmes
- LEPL1401 Informatique 1

### Computer Vision Internship Aeorspacelab

Aug 20 - Sep 20

Joined a team of machine learning engineers for one month internship at Aeorspacelab building Computer Vision models, data cleaning and web scraping concerning satellite images and location informations.

- Building segmentation models for detection and area computing (Mask-RCNN, Random Forests, ...).
- Recovering location information thanks to OpenStreetMap.
- Data cleaning once OpenStreetMap information gathered.

#### Technologies include:

- PyTorch, Scikit-Learn, Numpy for computer vision models.
- OpenStreetMap API and GeoPandas for location information retrieval.

### Automotive Expertise Trainee Experts Partners

Aug 19 - Sep 19

Working with an automotive Senior Expert in the field and records encoding back in the office.

**Academics For Development**

Fundraising, design and building of a water pump powered by solar energy in a village (Edouwossikopé) in Togo.

- **Sep 18 - Jun 19** Fundraising, search for material sponsors and theoretical building of the water pump.
- **Jul 19 - Aug 19** Practical building of the supporting structure and pump in the village.

More information about the project : [https://afdimpact.org/projectname/p\\_11n\\_1819\\_odeah\\_togo/](https://afdimpact.org/projectname/p_11n_1819_odeah_togo/)