ROMAIN GRAUX

Data Science/Cryptography student

PERSONAL

🎂 14th August 1999

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LANGUAGES

French — Native

English — Fluent

LINKS

○ RomainGrx

in romaingraux

LICENSES

🚗 B, BE

⚓ ICC (inland and coast, motor and sail)

PROFILE

I'm a young student of 22 years old in 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 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

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 Sytèmes
- 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.

Automative Expertise Trainee
Experts Partners   Aug 19 - Sep 19

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

Project Student
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_lln_1819_odeah_togo/`