

## PERSONAL INFORMATION





## Ludovico Cobuccio

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Sex Male | Date of birth 24/08/1985 | Nationality Italian, French

## POSITION

## Digital Health Scientist

## WORK EXPERIENCE

1 May 2020–Present

## Digital Health Scientist

Unisanté - Education, Research and Innovation Department, Lausanne (Switzerland)

Research Physician for the DYNAMIC project, aimed at improving the quality of care for children and adolescents (0-12 years) in low-resource settings by implementing novel dynamic clinical algorithms and point-of-care tests that help to guide and train health workers in the management of sick children.

Responsible for adapting the algorithms to the country's guidelines.

Programming algorithms and giving technical support in the implementation of the project in 2 districts of Rwanda's Western Province.

1 Mar 2018–30 Apr 2020

## Chief Resident Physician

Unisanté - Policlinique de Médecine Tropicale, Voyage et Vaccination, Lausanne (Switzerland)

Clinical :

Supervision of junior residents and nurses in pre- and post-travel advice and consultations.

Out-patient and in-patient consultations in Tropical Medicine.

On-call physician for an e-mail based telemedicine service for travellers.

Research :

- Co-Investigator and Local Study coordinator for EFFORT study, a multicenter observational study aimed at assessing the performance of a new multiplex PCR panel, describing causes of fever in the returning traveller and identifying disease-specific predictors.

- Clinical content manager for Fever Travel App, a clinical decision support algorithm in general medicine focused on the management of fevers in the returning traveller.

1 May 2017–28 Feb 2018

## Resident Physician

Centre de Vaccination et Médecine des Voyages - Policlinique Médicale Universitaire, Lausanne (Switzerland)

Clinical :

Pre-travel advice and vaccination

Post-travel outpatient clinic

Intra-hospital consultations in Tropical Medicine

On-call physician for an e-mail based telemedicine service for travellers.

Research :

Development of a clinical decision support algorithm in general medicine focused on the management of fevers in the returning traveller

1 May 2016–30 Apr 2017

**Resident Physician**

CHUV, Lausanne (Switzerland)

Ward and on-call activities in Internal Medicine, Sub-intensive care Medicine, Geriatrics

6 months of rotation in the Infectious Diseases Department :

sub rotations in septic surgery, general infectious disease, outpatient parenteral antibiotic treatment unit.

30 Nov 2015–31 Jan 2016

**Medical Junior Project Officer**

Cuamm - Medici con l'Africa, Luanda (Angola)

<http://www.mediciconlafrica.org/en/our-voice/news/diabetes-hypertension-tb-luanda/>

2 months volunteer work within a two-year pilot project, financed by the World Diabetes Foundation, to improve diabetes and hypertension detection and treatment among TB patients in Luanda, Angola.

Tasks:

Research :

Data management, from data collection to data enter supervision. Monitoring and Evaluation

On-the-job formation to local health officers

Project report redaction

Clinical :

Volunteer-based clinical activity at "Hospital Divina Providência"

1 Nov 2013–31 Oct 2015

**Resident Physician**

HFR Fribourg - Sites de Riaz et Billens, Riaz (Switzerland)

Clinical tasks within the Internal Medicine Department (Prof. Uwe Schiemann)

Rotations in Physical medicine and rehabilitation, Geriatrics, Emergency Department, Internal Medicine and Transitional Care Unit.

**EDUCATION AND TRAINING**

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1 Jun 2020–Present

**Professional Diploma in Applied Data Science : Machine Learning**

Swiss Federal Institute of Technology Lausanne, Lausanne (Switzerland)

Intermediate-level program granting hands-on experience in Data Science and Machine Learning. Teaching techniques and tools for data acquisition, transformation, and predictive analysis. A solid foundation in working with the entire data pipeline.

12 Jul 2018–Present

**MD candidate**

UNIL | University of Lausanne, Lausanne (Switzerland)

MD candidate.

Thesis subject:

Is it useful to treat Blastocystis ? A randomised double blind placebo controlled crossover trial.

2 Nov 2015–20 Nov 2015

**Corso di Malattie Tropicali e Medicina Internazionale**

Medicus Mundi &amp; Clinica Malattie Infettive e Tropicali Brescia, Brescia (Italy)

3 weeks course on clinical tropical medicine and international health 105 hours and 50 CME credits, including laboratory training sessions.

Further information about program can be found here:

<http://www.medicusmundi.it/it/attivita/formazione.html>

17 Sep 2015–18 Sep 2015

**Advanced Cardiac Life Support Provider**

American Heart Association, Fribourg (Switzerland)

30 Sep 2006–27 Mar 2013

**"Dottore in Medicina e Chirurgia"**

Università degli Studi dell'Insubria, Varese (Italy)

Master's course in medicine and surgery

Thesis work entitled «Malattie infettive del sistema nervoso centrale nella medicina del XIX e XX secolo»

I reviewed the literature using original works of the time available in the library of the Faculty of Medicine and thanks to computer tools such as the online archives of the French Academy of Medicine. I discussed the manifestations of parasitic brain infections but my attention focused mainly on the neurological and psychiatric manifestations of syphilitic infection and the social impact of infection.

1 Oct 2012–31 Oct 2012

**Clinical Clerkship in Infectious Diseases and Tropical Medicine**

Sism (IFMSA) UFMA - Universidade Federal do Maranhão, São Luís (Brazil)

4 weeks clinical clerkship including

- weekly dermatological outpatient clinic
- daily outpatient and inpatient rounds
- lectures on specific topics

1 Apr 2012–1 Feb 2013

**Clinical Clerkship in Infectious Diseases**

Ospedale di Circolo Fondazione Macchi, Varese (Italy)

Clinical clerkship in Infectious Disease with a focus on infections in the immunocompromised host.

30 Sep 2010–30 Sep 2011

**Erasmus**

Universidad de Sevilla, Seville (Spain)

Attended 5th year lectures and clinical rotations as a medical student exchangee.

1 Oct 2010–31 Oct 2010

**Clinical Clerkship in Neurosurgery**

Sism (IFMSA) - İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi, İstanbul (Turkey)

Activities :

Daily rounds in the neurosurgery department of the University Hospital.

Assisted to surgery

1 Jan 2009–1 Jul 2009

**Clinical clerkship in Vascular Surgery**

Ospedale di Circolo Fondazione Macchi, Varese (Italy)

Activities :

Daily rounds. Wound care. Operation theater assistance.

**PERSONAL SKILLS**

Mother tongue(s)

French, Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	C1	C1	B2	B2	B2

Portuguese	C1	C1	B2	B2	B2
German	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages - Self-assessment grid

Organisational / managerial skills

Good task and project management skills.  
 Excellent teamwork skills, able to work efficiently in multi-cultural environments.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Good knowledge of Windows® and Linux® environments.  
 Advanced command of Office®, Libre® and Open Office® suites.  
 Programming skills :  
 Python : Good command for epidemiological data analysis, web development (Django framework), algorithm prototyping.  
 Javascript : Independent user  
 R : Independent user  
 Mobile app development within the Thinkable environment.  
 Good command of STATA® statistical analysis program.

Other skills

Sailing, trekking, guitar playing, programming.  
 Editor and reviewer for [www.prognosisapp.com](http://www.prognosisapp.com) a Medical Education mobile application featuring clinical cases.

Driving licence

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