Sergio
Tascon Morales

Curriculum Vitae

✉ *sergio.tasconmorales@unibe.ch*
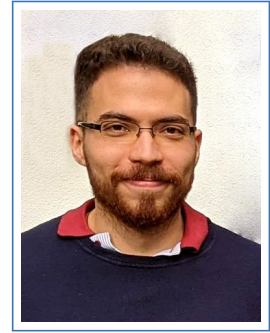
Personal Information

First Name	**Sergio**.
Surname	**Tascon Morales**.
Date and Place of Birth	**14.10.1992, Ginebra, Valle del Cauca, Colombia**.
Nationality	**Colombian**.
Marital Status	**Single**.

Education

11.2020 – present   **PhD in Biomedical Engineering**, *University of Bern*, Bern, Switzerland.
Research in the topic of Visual Question Answering (VQA) in the medical domain.

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BERN

09.2019 – 01.2020   **Master in Medical Imaging and Applications (MAIA), third semester**, *University of Girona*, Girona, Spain.
30 ECTS, GPA: 9.4, Highest possible mark: 10.0, Passing mark: 5.0

UdG

02.2019 – 06.2019   **Master in Medical Imaging and Applications (MAIA), second semester**, *University of Cassino and Southern Lazio*, Cassino, Italy.
30 ECTS, GPA: 28.6, Highest possible mark: 30.0, Passing mark: 18.0

09.2018 – 01.2019   **Master in Medical Imaging and Applications (MAIA), first semester**, *University of Burgundy*, Le Creusot, France.
30 ECTS, GPA: 17.5, Highest possible mark: 20.0, Passing mark: 10.0

02.2011 – 12.2017   **Bachelor in Electronic Engineering**, *Universidad del Valle*, Cali, Colombia.
CGPA: 4.54. Highest possible mark: 5.0, passing mark: 3.0
Main emphasis:
○ Computer Vision
○ Machine Learning
Bachelor final project: "Method for the non-invasive measurement of the foetal electrocardiogram". Mark: 4.9/5.0

10.2015 – 03.2016	**Exchange semester**, *Ilmenau University of Technology*, Ilmenau, Germany, Scholarship Young Engineers, DAAD (German Academic Exchange Service). GPA: 2.73. Best possible mark: 1.0

Professional Experience

Vocational

02.2020 – 10.2020	**Internship**, MEDIRI GMBH, Heidelberg, Germany. Development of the master thesis with title "Multiple Sclerosis Lesion Segmentation Using Longitudinal Normalization and Convolutional Recurrent Neural Networks" during the fourth master semester, under the supervision of Dr. Johannes Gregori, Dr. Stefan Hoffmann and Martin Treiber. The master thesis focused on leveraging the time information provided by longitudinal MRI data of patients with MS. This was achieved by combining the U-Net architecture with the Long Short-Term Memory (LSTM) networks. The thesis can be accessed here. Mark: 9.6/10
03.2016 – 07.2016	**Internship**, ENDRESS & HAUSER, Maulburg, Germany. Tasks related to the improvement of software (Matlab), simulation of sensor electronic, analysis of models for linearization and evaluation of sofware tools (Python).

Miscellaneous

02.2017 – 06.2017	**Lab Assistant**, *Universidad del Valle*, Cali, Colombia. Computer lab assistant, Universidad del Valle.

Honors, Awards and Accomplishments

09.2020	Best MAIA master thesis award.
09.2020	Best MAIA master student award.
09.2018 - 09.2020	Erasmus+ scholarship. Master in Medical Imaging and Applications (MAIA).
09.2017	Bachelor final project with distinction.
06.2017	Best GPA of the semester - Bachelor.
08.2015 - 08.2016	Scholarship Young Engineers from DAAD.
12.2011, 06.2012, 12.2012, 06.2013, and 12.2013	Best GPA during five consecutive semesters - Bachelor.
09.2009	Best high school graduate.

Publications

10.2020	Tascon-Morales S., Hoffman S., Treiber M., Mensing D., Oliver A., Günther M. and Gregori J., "Multiple Sclerosis Lesion Segmentation Using Longitudinal Normalization and Convolutional Recurrent Neural Networks," Machine Learning in Clinical Neuroimaging (MLCN) workshop of the MICCAI Conference, 2020.

Computer Skills

Programming languages

Intermediate	JAVA, PHP, JAVASCRIPT

Advanced	PYTHON, C/C++, MATLAB

Software and other languages

Intermediate	HTML, CSS, SQL, LaTeX, MICROSOFT OFFICE SUITE

Languages

Spanish	**Native Speaker**	
English	**Advanced: C1**	*TOEFL, 2017*
German	**Advanced: B2/C1**	*TestDaF, 2016*
Italian	**Intermediate**	
Russian	**Beginner**	

Interests & Hobbys

- Violin	- Artistic drawing
- Hiking	- Reading