

# SAMUEL DUBUIS | 3 MONTHS SUMMER JOB



» I recently graduated from EPFL with a Bachelor in Communication Systems. I also am a basketball player in the second Swiss division, I'm very interested by sport, cinematography, any new technologies and anything that concerns computer science from close or far. Lastly studying in the Visual Computing field, and always ready to discover and learn ! I'm yet in the middle of my Master of Science in Communication Systems.

## »»» EXPERIENCE

### Project Assistant / Auxiliary

VPSI, EPFL, 2018/06 - now

- » Assistant/replacement of the operations manager which concerned the school's websites production launch, the management of backups and sources of truth
- » Creation and use of automation scripts, in Python, Bash and Ansible. Also worked on the development of WordPress plugins
- » Support for the EPFL websites redesign project, which concerned the websites migration from Jahia to WordPress, implementation of the new graphical chart, support to webmasters and participation in the daily meetings

### Student Assistant

CHILI Lab, EPFL, 2018

- » TA during project sessions for the Introduction to Visual Computing course under Prof. Dillenbourg

### Fitter-Deliverer

AJD Cuisines et Bains Sàrl, Sion, VS, 2013-2018

- » Summer job consisting of delivering and putting up kitchens and bathrooms, and after-sale services

## »»» FORMATION

### MSc. in Communication Systems

École Polytechnique Fédérale de Lausanne, 2019/09 - now

- » Specialization in Signals, Images and Interfaces

### BSc. in Communication Systems

École Polytechnique Fédérale de Lausanne, 2015-2019

- » Visual Computing Track

### Year Abroad

Little Rock Catholic High School for Boys, USA, 2011-2012

- » A year of study and cultural experience in Arkansas, USA
- » Consequently improved my english skills and had the opportunity to play basketball

## »»» PROJECTS

- » BSc. Project : *Simulation of moiré effects for counterfeit prevention* Innoview Sàrl & IVRL Lab
- » AlCrowd.com project : *Finding the Higgs Boson* ML course EPFL
- » AlCrowd.com project : *Recommender system* ML course EPFL
- » Data over Sound : *Exchange of files over the air using speakers* PDC course EPFL
- » Do you buy healthy ? : *Big datasets analysis* ADA course EPFL
- » Simbaforkids.ch website creation with WordPress SimbaForKids association

## »»» EXTRA-PROFESSIONAL ACTIVITIES

### Basketball assistant coach

AVsBa, ValBasket Camp, 2016-2020

- » Teaching of basketball in a pedagogical manner for younger ones, and in a more intensive manner for more experimented kids

### Ski teacher

Cours des Mayens, 2010-2015

- » Ski teaching for advanced young people during the Cours des Mayens

### Team captain

Sion Basket LNB, 2014/2015 & 2018/2020 season

## »»» REFERENCES

- » Emmanuelle Givord, Chief Project Coordinator at EPFL, +41 79 158 75 20
- » Professor Emeritus Roger Hersch, Recommendation letter as supervisor

## CONTACT

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- 🚗 Driving Licence + CFF AG

## LANGUAGES

- French ★★★★★
- English - C1 ★★★★★  
( Certificate of Advanced English )
- German - B1 ★★☆☆☆
- Italian - A2 ★☆☆☆☆

## FIELDS

- 📡 Signals and Images Processing ★★★★★
- 📄 </> Coding ★★★★★
- 📊 Machine Learning ★★★★★
- 📊 Data Analysis ★★★★★

## TECHNOLOGIES

- </> Python </> MatLab </> JAVA
- </> C/C++ 📄 LaTeX 📄 git Git
- 🌐 WordPress

## TOOLS & OS

- </> Jupyter >\_ Terminal 📦 Blender
- 🖼️ GIMP </> VS Code
- 🐧 📱

## SKILLS

Adapt easily · Sociable and spontaneous  
Leadership · Teamwork · Responsible  
Detail oriented · Motivated · Efficient

## ACTIVITIES

