

**Charles VILA** - [charles.vila@epfl.ch](mailto:charles.vila@epfl.ch) - +41 (0) 79 213 64 12 - Born on the 06.09.1990  
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## Education

**2012-2013** EPFL – **Master** in Bioengineering  
**2008-2012** EPFL – **Bachelor** in Engineering in Technologies and Life Sciences  
**2006-2008** Chamblandes High School – Pully 1009, Switzerland  
**2005-2006** Franklin St. Louis de Gonzague High School – Paris  
**2001-2005** Bellevue High School – Seattle, WA, USA  
**1993-2001** Lycée Franklin St. Louis de Gonzague – Paris

## Professional Experiences

### Internships/Experiences

**2012** **Translational neural engineering - EPFL Professor Silvestro Micera**  
**November** - Introduction to neural networks supervised by Jack Di Giovanna  
**December** - Quantification of error due to computer labelled data vs. manually labelled data

**2012** **Chair in spinal cord repair – EPFL Professor Dr. Grégoire Courtine**  
**August** - Worked on the project “Multi-system neuroprosthetics for restoring function after  
**October** - severe traumatic spinal cord injury in adult rats”  
- Assistant for high standard surgery procedures / Behavioural recordings and rat training / VICON / Wet lab experience (cryostatic machine, stainings, imaging)

**2012** **BIOSENSORS – Morges, Switzerland – Bachelor Project**  
**February** - Evaluation of a technology minimizing infections for hernia repair & orthopaedics  
**June** implants based on controlled release of mTOR inhibitors  
- Interviews of healthcare professionals to further understand the clinical problem

**2009** **SpinetiX – Startup in Digital Signage in Lausanne, Switzerland**  
**January** - Project development for Las Vegas INTEROP  
**March** - Internship under the marketing manager and with the technical team

**2006** **Highline Community Hospital, Burien - Seattle, USA**  
**August** - Present during patient/doctor appointments and operations (endoscopies)  
- Internship in a infectious and tropical diseases & pathology laboratory

**2006** **Carglass – Paris, France**  
**July** - Installation of an after sale service and formation of employees  
**Jobs**

**2010 - 2011** **EPFL – Assistant in Informatics I & Informatics II**  
- Assistant during exercise sessions and project development in c++

**2010 - 2012** **Creation of Jooce (6 people), Lausanne Switzerland**  
- Development of websites for privates and companies  
- Creation of the company, formation and creation of a working team

**2010 October** **Sommet de la francophonie 2010 – Montreux Switzerland**  
**2007 June** **Ship maintenance – Monaco**  
**2007 July** **Le Puys Batard – Vacation home for people with disabilities**  
-Organising trips for people with handicaps / taking care of them (bath and toilets)

## Languages

French Read, speak, write  
English Read, speak, write (5 years spent in American public schools, Seattle, USA)  
Cambridge Certificate of Proficiency obtained in summer 2009

## Informatics

C++, php, javascript, SVG, XML, html, as3.0, SQL, adobe suite

## Hobbies

Travelling, walking, trekking, skiing, navigation, music, tennis and row boat

## Extra

- Participation in a speech team during two years in Seattle  
- US National prize in philosophy on peace in 2004  
- High School work on marketing around ecology and quality labels  
- Math lessons given to high school students