

SvenBorden

Student



Contact

🏠 Chemin de Crausaz 18
1162, St-Prex
📅 12th oct. 1995
📞 078 626 86 58
☎ 021 806 10 65

✉ sven.borden@outlook.com

LinkedIn

Informatics

♥ C#, C++, C, Java

📄 HTML5, CSS3,
</> Java, .NET & Javascript

🐧 Linux & Shellscript
🔧 Optimisation &
Parallelization

Languages

read, speak, write French
read, speak, write English
read, speak, write German
speak Chinese

Hobbies

DIY – All kind of hand
made projects

Computer – User interface
design, optimisation and
genetic algorithms

Sport & art – Piano,
badminton, tennis,
beach-volley

Experiences

Job - internship

- summer 2014 **Trainee** Kudelski Security, Cheseaux-sur-Lausanne
Prototype of a Unmanned Air Vehicle working on 4G-LTE communication, controlled via a smartphone
- summer 2013 **Research in computer science** University Lafayette, Louisiana, USA
Implementation on Javascript Code Parallelization
- End 2012 **Employee** Bugnard SA, Lausanne
Order picking

Meeting - Contest

- Sept. 2014 **Exposition ESE Milset 2014** University Zilina, Slovakia
Meeting to present a prototype of a unmanned ground vehicle which was developed in a previous contest
- May 2014 **National contest "La science appelle les jeunes"** EPFL, Lausanne
Presentation of a drone built during a school project (special prize Metrohm)

Projects

- EPFL Project **Another Bubbles' Concept** Semester project
Optimise a design according to client specification chart, CAD (CATIA V5). Knowledge in basic machine design and machine elements
- Kudelski **4G-LTE drone** Swiss army
Mandated to build and code a quadcopter with a full control over 4G-LTE communication. Onboard sensor and camera telemetry controlled via smartphone
- App dev. **Anatomie UNIL** Multiple choice app generator
Application used by medical school student that provide a wide range of multiple choices question in order to prepare an exam
- High school **Unmanned Ground vehicle for scratch** Metrohm Prize at SJF 2014 in Switzerland
Wireless controlled vehicle over 4G-LTE with onboard live streaming camera

Diploma - Education

- Since 2015 **Microengineering** School of Engineering
Ecole Polytechnique Fédérale de Lausanne
- 2001 - 2014 **Piano & solfège studies** Conservatory of lausanne
Many shows and prizes, Certificate respectively obtained in 2014 and 2010 with mention Excellent