

# SvenBorden



## contact

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## Programming

❤️ C#, C & python

🐧 Linux & Shellscript  
🔧 Optimisation, UX & UI

📄 Java, C++ & Javascript  
📄 HTML5, CSS3, SAAS

## Languages

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

## Hobbies

🔧 **DIY** – All kind of hand made projects

💻 **Computer** – UVX, UX and UI design, optimisation and genetic algorithms

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

🏥 **MedTech** – Elder care and human centered design thinking

## Startup

since 2017

### Ouay

*Co-Founder*

Ouay provide a solution for the elderly to keep their autonomy at home. We develop a voice-based interaction platform that connects elderly, nurses, family members, and smart things. Collected data enhance nurses' work by predicting elderly's health evolution. Ouay keeps up to date family members about their parent's health and life. Ouay's device ensures multiple ways for the elderly to call for help (e.g in case of falling).

Key points:

- Elderly centric interaction
- Custom hotword detection personalized to each elderly
- Strong Hardware, Software and team management
- User vocal interaction
- Supported by EPFL, Swiss Re, SmartLiberty and many others

Switzerland

## Experiences

### Job - Training

Autumn 2018 **Innosuisse Start-Up training**

Gotham - Lausanne

Successfully completed the entrepreneurship course Business Creation in ICT. The five-day intensive training course covers the following topics: Deliver a unique customer value, master a convincing pitch, defining a business development plan, shape a winning team and secure funding for the startup phase.

2018

Spring 2017 **RFID Product development**

The Evade

Automated system build on RFID to unlock access to different combinations of wire and chips

Summer 2016 **Rover development**

Octanis at Université, Renens

Reusable, autonomous, solar powered and open source rover for outdoors, designed for extreme environment, such as Antarctica

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 in Mozilla Firefox Javascript engine (SpiderMonkey)

End 2012

### Employee

Bugnard SA, Lausanne

Preparing packages in accordance with customer wishes

### Meeting - Contest

Sep. 2018	<b>Makeathon 2018, Die Post</b> 1 <sup>st</sup> place with theme "New circular economy services on demand"	Bern, Switzerland
Aug. 2018	<b>Swissnex SF Startup Camp</b> Challenges Ouay's business to the USA market	San Francisco, USA
Mar. 2018	<b>EPFL XGrant Contest</b> Win award with Ouay project	Lausanne, Switzerland
Sep. 2017	<b>Graine d'entrepreneur Contest</b> Win pitching contest with Ouay	Neuchâtel, Switzerland
Sep. 2016	<b>HackZurich Hackathon</b> Ouay's first MVP with interest from Swiss Re	Zürich, Switzerland
Sep. 2014	<b>Exposition ESE Milset 2014</b> Meeting to present a prototype of a unmanned ground vehicle which was developed in a previous contest	University Zilina, Slovaquie
May 2014	<b>National contest "La science appelle les jeunes"</b> Presentation of a drone built during a school project (special prize Metrohm)	EPFL, Lausanne

## Projects

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

## Diploma - Education

Since 2015	<b>Microengineering</b> Ecole Polytechnique Fédérale de Lausanne	School of Engineering
2014 - 2015	<b>Medical School</b> University of Lausanne	Faculty of biology
2001 - 2014	<b>Piano &amp; solfège studies</b> Many shows and prizes, Certificate respectively obtained in 2014 and 2010 with mention Excellent	Conservatory of lausanne
200 - 2014	<b>Public school</b> Mathematics and physics	Marcelin, Morges