

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

CEO & Co-Founder

Switzerland

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, FIT Digitale, SmartLiberty and many others

Experiences

Job - Training

2019

Technical Consulting

Junior Entreprise EPFL

Evaluating the relevance of specifications established by the client or the student for the project on which the student is mandated. Based on the specifications, to advise the relevance of an hourly estimate and of an intermediate or final rendering for the project on which the student is mandated. Periodically advise the student on technical difficulty.

2018

Mecanical conception

Junior Entreprise EPFL

Theoretical conception of a mechanical system answering precise specifications. Choice, purchase, machining, and assembly of the different parts of the structure. Quality assessment of the solution and its performance.

2017

RFID Product development

The Evade

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

2016

Rover development

Octanis at Univercité, Renens

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

2014

Trainee

Kudelski Security, Cheseaux-sur-Lausanne

Prototype of a Unmanned Air Vehicle working on 4G-LTE communication, controlled via a smartphone

2013

Research in computer science

University Lafayette, Louisiana, USA

Implementation on Javascript Code Parallelization in Mozilla Firefox Javascript engine (SpiderMonkey)

2012

Employee

Bugnard SA, Lausanne

Preparing packages in accordance with customer wishes

Meeting - Contest

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

Projects

Kudelski	4G-LTE drone 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.	Anatomie UNIL 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	Unmanned Ground vehicle for scratch Wireless controlled vehicle over 4G-LTE with on board live streaming camera	Metrohm Prize at SJF 2014 in Switzerland
EPFL Project	Another Bubbles' Concept Optimize a design according to client specification chart, CAD (CATIA V5). Knowledge in basic machine design and machine elements	Semester project

Diploma - Education

2018	Innosuisse Start-Up training 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.	Gotham - Lausanne
Since 2015	Microengineering Ecole Polytechnique Fédérale de Lausanne	School of Engineering
2014 - 2015	Medical School University of Lausanne	Faculty of biology
2001 - 2014	Piano & solfège studies Many shows and prizes, Certificate respectively obtained in 2014 and 2010 with mention Excellent	Conservatory of lausanne
200 - 2014	Public school Mathematics and physics	Marcelin, Morges