



Grégoire Gentile

MECHANICAL ENGINEERING STUDENT

AGE: 23

NATIONALITY: FRENCH

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Experience

Internship in robotic R&D

July - December 2016

CEA (COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES)

- Design and build of a hand exoskeleton phalange
- Precision mechanisms for haptic applications
- Writing of a patent specification for a new system discovered during my researches, approved by CEA



Teaching assistant

during course semesters

SWISS FEDERAL INSTITUTE OF TECHNOLOGY

- Helping students to acquire new notions
- Courses of Dynamics, Mechanical systems, Analysis, Mechanical construction
- Positive feedback from both students and Professors



Association member

during course semesters

SWISS FEDERAL INSTITUTE OF TECHNOLOGY

- Junior Entreprise EPFL : Project manager
- Lausanne Malt Festival : President
- Erasmus Student Network : Committee member



Education

Master's degree in mechanical engineering

September 2016 - Now

SWISS FEDERAL INSTITUTE OF TECHNOLOGY

- Major: Automatic, mechatronic and conception
- Minor: Management of Technologies and Entrepreneurship



Bachelor's degree in mechanical engineering

September 2013 - June 2016

SWISS FEDERAL INSTITUTE OF TECHNOLOGY

- Selective Erasmus exchange for the last bachelor year in KTH (Stockholm, Sweden)



Achievements

GreenhouCity

Launch of a start-up project inserting automated hydroponic greenhouses in cities

Patent specification

Acceptation of a patent specification at the CEA concerning a mechanical system I discovered

Junior Entreprise

Win of the prestigious European title of Junior Entreprise of the year 2018

Semi-marathon

Race of 20 km in Lausanne in 2017 ; preparation of the marathon of Nice-Cannes in November 2018

Drone

Build of a quadcopter from scratch : design of the hardware and adaptation of a software

Skills

Toolbox

Solidworks, Matlab, Simulink, C++, C, Python, Arduino, Raspberry Pi, Labview, Latex

Languages

French: native language - **English:** C1 - **Spanish:** B2 - **Arabic:** basic notions

Professional

Adaptability, creativity, team management and work, curiosity, autonomy, social interaction, sense of duty

Interests

Professional

Projects involving mechanical challenges, needing conception and mechatronics proficiency

Conjugate in the future my passion of travels with my professional activity

Personal

Travels, running, sailing, playing guitar, winter and water sports