



Grégoire Gentile

MECHANICAL ENGINEER

NATIONALITY: FRENCH - AGE: 23

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Experience

Intern - Robotic department manager

Expected June - July 2018

GENCORES - BOSTON, USA

- Development of new methods for high scale 3D printing
- Generative design applications
- Harvard Innovation Lab, MIT accelerator finalist



Project manager

September 2017 - June 2018

JUNIOR ENTREPRISE EPFL - LAUSANNE, SWITZERLAND

- Volunteer of an association managing more than 170 projects annually
- Win of the prestigious European title of Junior Entreprise of the year 2018



Intern - Robotic R&D

July - December 2016

CEA (COMMISSARIAT À L'ÉNERGIE ATOMIQUE) - PARIS, FRANCE

- Design and build of a hand exoskeleton phalange, with precision mechanisms for haptic applications
- Writing and approval of a patent specification



Teaching assistant

September 2014 - Present

SWISS FEDERAL INSTITUTE OF TECHNOLOGY - LAUSANNE, SWITZERLAND

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



Education

Candidate - Master's degree in mechanical engineering

September 2016 - Present

SWISS FEDERAL INSTITUTE OF TECHNOLOGY - LAUSANNE, SWITZERLAND

- 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 - LAUSANNE, SWITZERLAND

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



Baccalauréat with highest honors (17.89/20)

June 2013

LYCÉE SAINT JOSEPH - REIMS, FRANCE

Achievements

GreenhouCity

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

Patent

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

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 proficiencies

Personal

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

References

Yann Perrot (Head of the Interactive Robotic Laboratory, CEA)
Thomas Gmür (Head of the Mechanical Engineering Section, EPFL)
Available on demand