

# Grégoire Gentile

MECHANICAL ENGINEERING STUDENT

AGE: 22

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
- Precision mechanisms for haptic applications
- Writing of a patent specification for a new mechanical system I discovered, approved by CEA



### Teaching assistant

during course semesters

SWISS FEDERAL INSTITUTE OF TECHNOLOGY

- Helping students to understand 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

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



## Personal projects

#### Greenhouse

Build of an automated hydroponic system used in a controlled environment in order to invent tomorrow's agriculture

#### Drone

Build of a quadcopter from scratch, design of the hardware and the software

#### Automatic targets

Mechanism activating targets randomly, intended for shooting training

## Skills

#### Toolbox

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

#### Languages

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

#### Professional

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

## Interests

#### Professional

Projects involving mechanical challenges, needing conception and mecatronics proficiencies  
I would like in the future to conjugate my passion of travels with my professional activity

#### Personal

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