



# Johan ALBERTI

Master student in Engineering Physics  
Innovative Smart System (IoT) Specialty



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## + Work Experience

### ***Airbus Defence & Space Project | Since October 2019***

Energy harvesting project (solar, radio, motion, thermal,...) to power a Bluetooth beacon in order to obtain its position in a warehouse.

### ***Intern at Polytechnique Montréal & McGill University | July 2019 – September 2019***

Research internship in conductive polymers: Association of different polymers within Kirigami bi-stable structure, association of conductive polymers and protein within self-supporting film.

### ***Microfluidic Project at AIME (Toulouse) | 2018 – 2019***

Microfluidic chips fabrication project, by photolithography in clean room, allowing the generation of drops of water in order to include bacteria.  
Study of microfluidic chip manufacturing processes (photolithography, additive methods: stereolithography ...) from an industrial point of view.

### ***ASTRE – Space Association of Student Search Toulouse | 2017 – 2019***

Treasurer and thermal manager of the ToloSat project (CubeSat 2U project exclusively on the initiative of Student: 50 students on the project from INSA Toulouse, ENSEEIHT, ISAE SUPAERO and the University Paul Sabatier).

## + Languages

English – Business level    German – Conversational level  
French – Native

## + Education

22 years old

### **Institut National des Sciences Appliquées, Toulouse – France | Since 2016**

Majoring in Engineering Physics,  
Specialty Innovative Smart System (IoT)

### **Lycée Vauvenargues, PTSI, Aix-en-provence – France**

Preparatory Class for entrance examinations to the French  
Grandes Ecoles in Industrial Sciences,

## + Key competencies

**Programming** : Python, C (CVI), LabVIEW

**Modeling** : Matlab, Systema (Thermica), SolidWorks,  
Cinéma 4D, SysML

**Productivity software** : MS Office, Adobe (Photoshop,  
After Effect)

**Laboratory Skills**

**Financial Management Skills**

## + Hobbies

Swimming (Lifeguard Diploma)

Travel: 2 Interrails in Europe

## + Others

Driving license

First Aid Diploma