

Jean-Baptiste Murphy

Full-time Robotics Position, January 2018

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Education

Georgia Institute of Technology

Masters of Mechanical Engineering

Atlanta, GA

2016–2017

◦ GPA: 4.0

◦ Courses on Machine Learning for Robotics, Machine Vision, Signal Processing and Product Design

Arts et Métiers Paristech - Top ranking French Grande École

Paris, France

Masters of Mechanical Engineering and Industrial Engineering

2014–2017

◦ Ranked in top 3% of 1000 students

◦ Lead the development of an **autonomous rover** (Sensors, Actuators, Path Planning, Image Processing, etc.)

◦ Relevant modules include : Mechanical Design, Sensors, Mechanical System Control, Signal Processing

Work Experience

KUKA France - Smart Industry Lab

Paris, France

6 Month Internship in the smart industry lab of KUKA France

Spring 2017

◦ **Developed Robotics Smart Industry applications** for clients

◦ **Lead Software Development** for 3D printing system for KUKA Robots.

◦ Technical Manager for Student 3d printing Competition (100 participating Students)

Istituto Italiano di Tecnologia (IIT) - EU Funded Project

Genoa, Italy

Summer Intern at Advanced Robotics Department

Summer 2016

Developed interface to control a robot through web browser for European Project

◦ Defined needs and developed a **web control interface** for robot to improve robot testing process

◦ Using ROS middleware, Gazebo Simulations and **cloud robotics** tools

◦ **Trained my co-workers** to use and improve my work

Grupo Antolin Vigo

Vigo, Spain

Industrial Intern

Feb. 2015

Automotive Tier one supplier (one month)

Applied lean manufacturing techniques concepts, production systems, and workplace ergonomics

Languages and Computer skills

English: Native

French: Native

Spanish: Advanced

Chinese: Beginner

Robotics: ROS, Gazebo, Linux

Prototyping: BeagleBone, Arduino

Languages: Python, C++, SQL

Mech. Eng.: Catia V6, ANSYS

Office Suite: Word, Excel, Access, Project

Misc.: Matlab, Mathematica, git

Leadership

◦ **Camera Club**, Arts & Métiers: Organized events, lead student team resulting in promotional videos for events and sponsors

◦ **Lead a solidarity project in Peru:** Raised 13k\$ via crowd-funding and sponsorship; resulting in re-furnished activity center for 40 under-privileged children

◦ Participated in **National Science Competition** (home automation project) for *Science et Vie Junior* magazine

◦ Initiated **tutoring of fellow students** in conversational English, resulting in higher grades

Interests

Travel: Europe, S. and N. America, Asia (cultural / tourism / professional experience / Road Trip)

Sports: Running (10K), climbing, Hiking