

Xi LIN

EDUCATION

2017 – present

PH.D. ROBOTICS - Aix-Marseille University

- + Laboratory: Institute of Movement Sciences, Bio-robotics team, France;
- + Topic: Design and development of a camera based soft tactile sensor for measuring the frictional information and 3d interaction forces of the contact.

2014 - 2016

MASTER - Advanced System and Robotics

- + University of Pierre and Marie Curie, France

2013 - 2014

BACHELOR - Mechanical Engineering

- + University of Pierre and Marie Curie, France

2011 - 2013

DUT - Mechanical and Production Engineering

- + IUT of Cachan - University of Paris Sud, France

EXPERIENCE

2016

INTERNSHIP - The Laboratory LIRMM - 6 months - France

- + Implementation of a force and vision based augmented reality system in trans-oral robot assisted surgery of tongue base cancer.

2014

INTERNSHIP - The Institute of Industrial Internet of Things - 12 weeks - China

- + Development of intelligent vision of a welding robot; programming of the robot by language C# and teach pendant.

2013

INTERNSHIP - Freyssinet Products Company - 10 weeks - France

- + Establishment of a production schedule; production tracking of the pavement joints for a monorail.

PROJECTS

2016

MASTER PROJECT - Computer assisted design of a haptic device

- + Computer assisted design and analysis of a haptic interface based on control moment gyroscope by ADAMS

2015

MASTER PROJECT - Digital modeling of a mobile robot

- + Computer assisted modeling and simulation of a mobile robot with two wheels by Python and Blender.

SKILLS

LANGUAGES

- + **French:** Current
- + **English:** Current
- + **Chinese:** Native language

TECHNICAL SKILLS

- + **Software:** Matlab; Solidworks; SolidEdge; Comsol; Python; Adams; Blender.
- + **Scientific knowledge:** Tactile sensor; Haptics; Image processing; Computer assisted design; Analysis and Control of Robotic and Mechanical Systems; Kinematics and Dynamics in robotic systems; Structural Mechanics.