

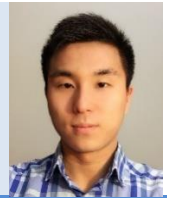
QIU Xuchong

1991/05/08

Address: 2 Rue Paul Eluard, 94120 Fontenay-sous-bois, France

Tel : (+33)7 53 72 93 01/ E-mail : QIU.Xuchong@outlook.com**PhD Student**

Computer Vision and Robotics

**Education**

- 2016-2020** PhD student in Computer Science, Ecole des Ponts ParisTech, Paris, France
Computer Vision, Machine Learning and Robotics
- 2014-2016** Master's Degree in Robotics, University Pierre and Marie Curie, Paris, France
Robotics, Vision, Simulation and Programming
- 2012-2014** Bachelor's Degree in Mechanics, Claude Bernard University Lyon 1, Lyon, France
- 2010-2014** Bachelor's Degree in Physics, Wuhan University, Wuhan, China

Experiences

- 2016**
(6 months) **Research Trainee, Institute for Intelligent Systems and Robotics, CNRS, Paris, France**
Object: Robotic system simulating the utilization of tools by hands
Conception of real-time robotic system, Implementation of Hybrid Position/Force control, Synchronous object pose and contact force measurement, C++, Python
- 2015**
(3 months) **Engineering Trainee, R&D Department, Wuhan Huazhong Numerical Control Co., Ltd, China**
Object: Simulation of 6-Axes industrial robot dynamics and path planning
Simulation of industrial robot dynamics, Robot offline Programming for assembly lines
- 2014**
(4 months) **Trainee of end-of-studies internship, Laboratory of Mechanics of Fluid, UCBL, Lyon**
Object: Measurement of concentration and debit in suspensions by ultrasonic waves

Projects

- 2018** **Research project, Ecole des Ponts ParisTech, UPE, Paris**
Object: Object 6D pose estimation for robot manipulation tasks
- 2017** **Research project, Ecole des Ponts ParisTech, UPE, Paris**
Object: Visual tracking incorporating context and semantics information
- 2016** **Scholar project, Institute for Intelligent Systems and Robotics, CNRS, Paris**
Object: Control and navigation of a skid-steering type mobile robot
- 2015** **Scholar project, Institute for Intelligent Systems and Robotics, UPMC, Paris**
Object: Navigation of mobile robot with multimodal information
- 2014-2017** **Other projects**
Delta robot modeling and control, Mobile robot modeling and simulation, Simulation of quadrotor drone dynamics

Competences

- Languages** **English** – Fluent **French** - Fluent **Chinese** - Mother language
- OS** Windows, Linux **Programming language** C/C++, Python, Matlab
- Software** PyTorch, OpenCV, OpenGL, ROS, SolidWorks, ADAMS, Meshlab, Blender, MS Office
- Others** Airbus project management course, Ex-president of students' union

Interests**Photography, Football, Ski, Social activities, Art, Chess, High-tech, History**