AurélienMassein

PhD Student in Robotics

Contact

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Language

French, mother tongue
English, technic and operational

Programming

C/C++, Wolfram Language, Java, MATLAB, Tcl-Tk, VHDL

Software

Xcode, Eclipse, Mathematica, Qt Creator, MATLAB, LaTeX

Operating System

Mac OS X, Ubuntu, Linux Mint

Education

Since 2014 — *12/01*
Sensor Deployment applied to Human Activities Monitoring in Indoor Environment
University Nice Sophia Antipolis, Inria Bordeaux Laboratory
PhD in Robotics

2013–2014
Artificial Intelligence, Patterns' recognition and Robotic
University Toulouse III Paul Sabatier
Master 2 of Electronics Electrotechnics Automatics

2012–2013
Engineering of Real-Time Systems
University Toulouse III Paul Sabatier
Master 1 of Electronics Electrotechnics Automatics

2009–2012
Electronics Electrotechnics Automatics
University Toulouse III Paul Sabatier
Licence EEA, Fondamental section

Experience

2015 — *3 months*
Collaboration Inria-iCeiRA
NTU International Center of Excellence on Intelligent Robotics and Automation Research (NTU-iCeiRA)
PhD internship
Sensor Deployment. Trajectory optimization. Development and integration in C++ and Wolfram Language. ROS. Mathematical modeling.

2014 — *6 months*
Human-Robot handover
Laboratoire d'Analyse et d'Architecture des Systèmes (LAAS-CNRS)
End of study internship
Handover. Trajectory and Effort study. Development and integration in C/C++. Tcl-Tk and Matlab. Thread programming. Embedded system. User study. Mechanical modeling.

2012–2013 — *5 months*
Software development for controlling Discrete Event Systems in Java
University Toulouse III Paul Sabatier
Research Initiation's project
Conception. Syntax analysis. Petri net. Moore automaton.

2011 — *1 month*
Experimental data of a plasma's interpolation by a lorentzian function with a binary genetical algorithm in C language
University Toulouse III Paul Sabatier
IT project
Algorithmic. Syntax analysis.

Skills

Robotics, Graphs, Constraints, IT technologies, Artificial intelligence, Image and Signal processing

Hobbies

Technological watch, Information magazines, Cinema, Photography, Running, Travel, Video Games, Documentaries, Walk