

Nathan Ramoly - PhD student in Computer Science

Date of birth :
15 June 1991
Nationality:
French

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Academic background

- 2014 - now** PhD in Computer Science
Télécom SudParis, Évry
- **Subject:** Heterogeneous contextual data integration in open and opportunistic smart environment: application to humanoids robots
 - **Supervisors:** Amel Bouzeghoub and Béatrice Finance
- 2013 - 2014** Research master COSY (double degree)
UVSQ (Université de Versailles St-Quentin-en-Yvelines), Versailles
- 2009 - 2014** Engineering school of computer science
ISTY (Institut des Sciences et Technique des Yvelines), Vélizy
- 2009** Scientific Baccalauréat

Skills

- Computer Science**
- Programming language :** C/C++, Python, Java
 - Web programming :** HTML, PHP, JavaScript, Jena, WordPress
 - Operating systems :** Windows, Linux (Ubuntu), Android, NaoOS (Gentoo)
 - Databases :** SQL, SPARQL
 - Modeling :** UML
 - Robotics :** ROS, NaoQi
 - Vision :** OpenCV, Kinect SDK
 - Tools:** Latex, Office, Choregraphe, Arduino, Protégé
 - IDE:** Eclipse, QtCreator, Visual Studio
- Language**
- French :** mother tongue
 - English :** advanced, TOEIC (2014, score: 960)
 - Spanish :** moderate

Experience

- 2014** Internship, 6 months, PRiSM laboratory, UVSQ
- **Subject:** Smart robot in an open and opportunistic smart environment
 - **Supervisors:** Béatrice Finance and Vincent Hugel
- 2013** Internship, 4 months, Motor skills team of the Hospital of Garches (GRCTH)
- **Subject:** Design of a simple and affordable movement analysis system based on **Kinect**
 - **Supervisor:** Didier Pradon
- 2011 - 2013** Participation in the **German Open** and in the **Robocup** (except 2013) in L3M team (« Les 3 Mousquetaires »)
- **Team leader:** Vincent Hugel

Teaching

- 2016** Databases and modeling (SQL)
- Télécom SudParis
 - Télécom École de management
- 2016** Semantic web project supervision
- Datascale master degree (UVSQ)

Publications

- 2016** Context-aware Planning by Refinement for Personal Robots in Smart Homes
- *47th International Symposium on Robotics (ISR 2016)*
 - **Authors:** Nathan Ramoly, Béatrice Finance and Amel Bouzeghoub
- 2016** A Fuzzy Semantic CEP Model for Situation Identification in Smart Homes
- *22nd European Conference on Artificial Intelligence (ECAI 2016)*
 - **Authors:** Amina Jarraya, Nathan Ramoly, Amel Bouzeghoub, Khedija Arour, Amel Borgi and Béatrice Finance
- 2016** FSCEP: a new model for Context Perception in Smart Homes
- *24th International Conference on COOperative Information Systems (CoopIS)*
 - **Authors:** Amina Jarraya, Nathan Ramoly, Amel Bouzeghoub, Khedija Arour, Amel Borgi and Béatrice Finance

Fields of interest

Sport: volleyball, badminton

General: photography, video-games, programming, sleeping

Activities: participation and animation in multiple robotic events