

Erwan Lecarpentier

PhD student

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Education

- PhD student, ONERA (The French Aerospace Lab) ISAE-SUPAERO** **2016–2019**
(Institut Supérieur de l'Aéronautique et de l'Espace), Toulouse (France).
Reinforcement Learning in Non-Stationary Markov Decision Processes.
- Exchange year, graduate student, University of Stuttgart.** **2015–2016**
Reinforcement Learning, Machine Learning, Robotics and Computer Vision.
- French engineering school, ISAE-SUPAERO, ENSICA program (Institut Supérieur de l'Aéronautique et de l'Espace), Toulouse (France).** **2013–2016**
Leading to a French Engineer's degree, equivalent to a Master's degree.
Control Theory, Optimization, Statistics, Applied Mathematics.
- French preparatory class, Saint-Brieuc (France), A+.** **2011–2013**
Leading to competitive exam for entry to Graduate Engineering Schools.
Advanced theoretical Mathematics, Physics and Engineering Sciences.
- Baccalaureate, Lamballe (France), A+ with distinction.** **2009–2011**
Equivalent to A level with specialization in Mathematics.

Experience

- Research internship in Reinforcement Learning, with Dr. Marc Toussaint, MLR (Machine Learning & Robotics Lab), University of Stuttgart.** **2016**
(6 months)
Optimal control on real-world robot; optimization using Reinforcement Learning algorithms (Policy Search, Bayesian Optimization, LSPI, etc.).
- Research internship in Statistics, ENAC, Toulouse (France).** **2015**
(2 months)
Statistical modeling of the air-travel market and behavior of the airlines.
- President of the student association N6Kn'Sat.** **2014–2015**
Student project; development, conception and launching of mini-satellites; collaboration with students of the Aerospace School SSAU (Russia).

Languages

French: Mother tongue
English: TOEFL 553 (2013) *Proficient working English*
German: B1+ *1 year of exchange in Stuttgart*

Computer skills

Programming: C++; C; Python; R; Java; JavaScript; HTML; CSS.
OS: Linux (Ubuntu, Fedora); Windows.
Software: Qt creator; R-Studio; Matlab; Eclipse; Catia; Office software.

Leisure activities

Playing guitar and bass guitar, member of a music band.
Responsible for communication in the student office of ISAE-SUPAERO.
Graphic designer for the French air show "Airexpo", Toulouse (France).

References available upon request