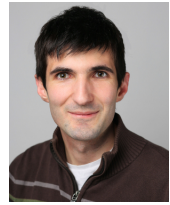


Mathias Millet

Computer science & Mathematics
Engineer

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Né le 6 Juin 1989
Marié, 1 enfant



Education

- 2014 – 2016 **Préparation à l'agrégation de mathématiques**, *ENS Bretagne*.
2010 – 2014 **Magistère recherche en informatique**, *ENS Bretagne*.
2007 – 2010 **CPGE**, *Lycée Champollion*, Grenoble(38), sections MPSI puis MP*.

Work experience

- 2017 **Junior mathematics teacher**, *Collège Françoise Dolto*, Pacé(35).
2016 **Junior mathematics teacher**, *Lycée Anita Conti*, Bruz(35).
2014 **5 months Research Internship – BEAGLE Team – INRIA**, *Lyon*.
Modeling, simulation and analysis results, in the artificial life domain.
Supervision : Dr C. Knibbe et H. Soula.
2012 **3 months Research Internship – Aarhus University**, *Danemark*.
Formal proofs in coq of semantic properties of a programming language.
Supervision : Dr E. Ernst.
2011 **3 months Research Internship – IBIS Team – INRIA**, *Grenoble*.
Comparing models and estimating parameters from experimental data, Matlab.
Supervision : Dr S. Berthoumieux et Dr H. de Jong.
2010 **1 month internship – Martin Bencsik – Nottingham Trent University**.
Programming and designing of a UI for a Matlab program.
Identification of the honey bee swarming process by analysing the time course of hive vibrations. Bencsik M, Bencsik J, Baxter M, Lucian A, Romieu J and Millet M, Computers and Electronics in Agriculture, 2011, 76 (1), 44-50.

Skills

- Programming
 - Advanced algorithms implementation, complexity analysis.
 - Practice in many languages (Python, OCaml, C, Java, Javascript, Matlab)
- Mathematics
 - Mathematical modeling, problem analysis.
 - Proving properties of a model.

Knowledge

- Computer science
 - Theoretical computer science : Algorithms and data structures, theory and semantics of programming languages, mathematical logic, lexical analysis.
 - Networking : theory and practice in distributed algorithms, P2P routing protocols.
 - Linux developpement environment.
- Mathematics Advanced general knowledge (French agrégation de mathématiques).
- Biology Knowledge from the two internships in bioinformatics team : general knowledge in genomics and metabolic network of a cell, evolving processes.
- Physics Good general knowledge (French CPGE).

Languages

- English Fluent (955 TOEIC score, Erasmus semester)
German Some notions