

Antonin Carette

PhD student - *looking for new opportunities*
University of Luxembourg, SnT

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Education

PhD thesis - Interdisciplinary Centre for Security, Reliability and Trust (SnT), May 2017 - April 2018
Automated Documents Processing - supervised by Jacques Klein, and Tegawende Bissyande.
Security Design and Validation Research Group, in collaboration with Luxembourg Stock Exchange.
Luxembourg.
The end of the contract is scheduled for April 15, 2018.

Master's degree - Univ. Lille1, 2014 - 2016
Computer Science - Complex Models, Algorithms and Data.
Villeneuve-d'Ascq, France.

Bachelor's degree (cum laude) - Univ. Lille1, 2012 - 2014
Computer Science.
Villeneuve-d'Ascq, France.

Work experience

Assistant Professor, September - December 2017
Luxembourg.
Assist and teach SQL, NoSQL, probabilities/statistics and machine learning for Bachelor students, at the University of Luxembourg.
Python.

Research and Development Engineer, October - April 2017
Dernier Cri
Lille, France.
Conduct research and development activities for companies (machine learning and big data), and apply research theories, principles, and models when conducting experiments and research activities.
Python, Rust, JavaScript.

Research and development - LATECE, March - August 2016
Latece Team - Master's internship
Montreal, Canada.
Software development to build a strong protocol to measure the energy consumption of an Android device, in order to evaluate code smells impact.
Python, Rust, Go.
First author of a research paper, submitted and accepted to SANER 2017.

Research project - IRCICA, October - February 2015
Emeraude Team - Master's project
Villeneuve-d'Ascq, France.
State of art about energy consumption models for Android mobile devices, in order to minimise the energy consumption of big.LITTLE processors.
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Software developer - INRIA, June - August 2015
Sequel & Spirals Team - Internship
Villeneuve-d'Ascq, France.
Software to predict bugs propagation, for Java projects.
Python 3.4.
Research paper submitted and accepted to RAISE 2016.

OCaml tutor for Bachelor students, 2015
Villeneuve-d'Ascq, France.
Help and teach algorithmic and functional programming to Bachelor students, using OCaml.
OCaml.

Books and research papers

Book reviewer for **Mastering Rust**, by Vesa Kaihlavirta
Packt Pub, May 2017.

Investigating the Energy Impact of Android Smells
24th IEEE International Conference on Software Analysis, Evolution and Reengineering, February 2017, Klagenfurt, Austria.

A Learning Algorithm for Change Impact Prediction
5th International Workshop on Realizing Artificial Intelligence Synergies in Software Engineering, May 2016, Austin, United States.

Energy consumption saving on Android applications
Master thesis, supervised by Giuseppe Lipari, Professor of Computer Science at University of Lille.

Programming

Rust, Python, OCaml, Nim.

Languages

French - Mother tongue

English - TOEIC (860/995) - C1 European level