CYPRIEN RUFFINO

PhD Student in Machine Learning

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🔗 cyprienruffino.github.io github.com/cyprienruffino in linkedin.com/in/cyprien-ruffino ⓘ orcid.org/0000-0002-4251-8938
24 years old

EDUCATION

Currently enrolled in: PhD in Machine Learning
INSA de Rouen
📅 2017-2020 (Estimated)

Master's Degree in Computer Science
Université d'Orléans
📅 2012-2017 📍 Valedictorian

EMPLOYMENT

PhD thesis: Deep Generative Modeling for Structured Data Generation
Laboratoire d'Informatique, de Traitement de l'Information et du Signal (LITIS, INSA de Rouen)
📅 October 2017–Now 📍 Supervisors: Pr. G. Gasso, R. Hérault

- Structured data generation with Generative Adversarial Networks
- Multi-obective training of Generative Adversarial Nets
- Applications to scientific data, most notably geostatistical data

Research Internship : Machine Learning Research Intern
Laboratoire d'Informatique, de Traitement de l'Information et du Signal (LITIS, Normandie University)
📅 April 2017– October 2017 📍 Supervisor: Pr. T. Paquet

- Deep Learning for offline handwritten text recognition on mobile devices with Convolutional LSTMs
- Development of a prototype recognition system with TensorFlow
- Industrial partnership with Hamelin SAS for the Oxford brand

Internship : Research assistant
Laboratoire d'Informatique Fondamentale d'Orléans (University of Orléans)
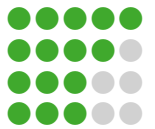📅 April–June 2015 📍 Supervisor: Pr. N. Ollinger

- Theoritical works on the SMART (Small Minimal Aperiodic Reversible Turing machine)
- Development of a cross-platform application for the visualisation of the SMART machine, with OpenFL

PUBLICATIONS

1. Pixel-wise Conditioning of Generative Adversarial Networks, **Cyprien Ruffino**, Romain Hérault, Eric Laloy, Gilles Gasso *In European Symposium on Artificial Neural Networks, 2019*
2. Dilated Spatial Generative Adversarial Networks for Ergodic Image Generation, **Cyprien Ruffino**, Romain Hérault, Eric Laloy, Gilles Gasso *Conférence sur l'Apprentissage automatique, 2018*

DEVELOPMENT SKILLS AND LANGUAGES

Python	●●●●●
Java	●●●●○
C/C++	●●●○○
Scala	●●●○○

Keras	●●●●●
TensorFlow	●●●●○

English	European Level C1
French	Native speaker

Linux · Git · SLURM · SQL · CUDA · SciPy · Scikit-learn · OpenCV

SOME OTHER PROJECTS

PyChip8
📅 Personal project
A scriptable CHIP-8 emulator written in pure Python

Simsmart
📅 Bachelor internship
Cross-platform visualization app for computability theory research

TEACHINGS

Computer science 1
📅 2018-2020 📍 INSA de Rouen

Introduction to algorithmics and programming in Pascal

Applied statistics for data science
📅 2018-2020 📍 INSA de Rouen

Statistical data analysis and visualisation, regressions and testing, with Numpy.

AND ALSO...

- PhD students representative, LITIS lab council's voting member, 2018–2020
- President of the CS student's association, 2015–2016
- Sysadmin of several of the LITIS GPU computation servers