



Achille Salaün

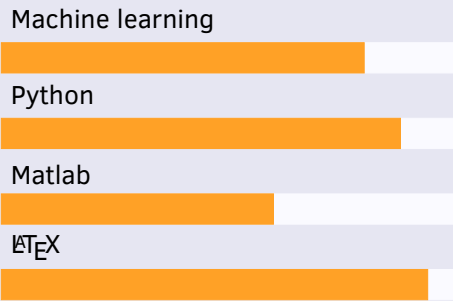
PhD in Computational Mathematics

- 25 May 1993
- Paris, France
- +33 06.XX.XX.XX.XX
- <http://achillesalaun.github.io>
- [achillesalaun\[at\]gmail\[dot\]com](mailto:achillesalaun[at]gmail[dot]com)

About me

I recently defended my thesis and am eager to take my next step in the research world! In particular, I feel like I still have a lot to discover from both a human and scientific perspective. Therefore, *I am currently looking for a postDoc abroad* (ideally in Eastern Asia).

Skills



(*)[The skill scale is from 0 (Fundamental Awareness) to 5 (Expert).]

Languages



(*)[The language scale is from 0 (Fundamental Awareness) to 5 (Expert).]

Research interests

Machine learning • Pattern matching • Generative models

Education

- 2017-2021 PhD in Computational Mathematics Institut Polytechnique de Paris
Title: Alarm prediction in networks via space-time pattern matching and machine learning
Supervision: François Desbouvries, Anne Bouillard, Marc-Olivier Buob, Yohan Petetin
Funding: Industrial PhD (CIFRE) between Télécom SudParis (SAMOVAR) and Nokia Bell Labs
- 2015-2017 Master's degree in Data Science and Engineering EURECOM
- 2014-2017 Graduate Engineer (*Diplôme d'ingénieur*) Télécom Paris

Publications

- 2021 Alarm prediction in networks via space-time pattern matching and machine learning Thesis
Achille Salaün
- 2020 Demo: end-to-end root cause analysis of a mobile network Infocom
Achille Salaün, Anne Bouillard, Marc-Olivier Buob
- 2020 DIG-DAG: stockage et recherche de motifs dans un flux d'événements Algotel
Anne Bouillard, Marc-Olivier Buob, Achille Salaün, Maxime Raynal
- 2019 Comparing the modeling powers of RNN and HMM ICMLA
Achille Salaün, Yohan Petetin, François Desbouvries
- 2019 Space-time pattern extraction in alarm logs for network diagnosis MLN
Achille Salaün, Anne Bouillard, Marc-Olivier Buob
- 2018 Log analysis via space-time pattern matching CNSM
Anne Bouillard, Marc-Olivier Buob, Maxime Raynal, Achille Salaün

Projects

- 2017-2021 *veggie*: Python 3 implementation of DIG-DAG related algorithms.
- 2020 *pybgl*: contributions to a Python 3 library providing graph tools.

Experience

- 2017-2021 PhD in Computational Mathematics Télécom SudParis, Nokia Bell Labs
Apart from the theoretical work, my thesis shows a strong applied component. Indeed, Anne, Marc-Olivier and I implemented our DIG-DAG related algorithms into a Python 3 module, which has been at the core of a collaboration with Nokia's business units
- 2018-2020 Teaching Télécom SudParis
For two consecutive years, I supervised lab sessions for a course on Scientific Calculus (Master 1) and another one on Image Segmentation with Hidden Markov Models (Master 2) at Télécom SudParis.