



Vincent Lefoulon

Looking for research-oriented machine learning experience

Work experience

09/18 - Now **Data Scientist applied to Simulation**

[Simudyne](#) (London, United Kingdom)

Working with Python to build machine-learning-based tools and visualizations to validate and analyse agent-based models.

03/18 - 08/18 **R&D Intern in Data Science for Agent-Based Modelling**

[Simudyne](#) (London, United Kingdom)

I used Python to analyse agent-based models, including a Kolmogorov-Smirnov test for time series, sensitivity analysis and visualisations. I also built a research roadmap.

06/17 - 08/17 **Intern in Web development for open-source project IEML**

[University of Ottawa](#) (Montreal, Canada)

I built a REST API with Django (Python) to expose a MongoDB database to a jQuery-based front-end I also contributed to.

09/15 - 02/17 **Project Manager**

[Junior Company Nsigma](#) (Grenoble, France)

I analyzed client's needs, wrote specifications, built plannings and managed programmers. I also coded tools to automate administration tasks.

Education

2015 - 2018 **Master's degree in Information Systems Engineering**

[Ensimag](#) (Grenoble, France)

2013 - 2015 **Classes préparatoires aux Grandes Écoles - Mathematics/Physics**

[La Martinière Monplaisir](#) (Lyon, France)

Publications

December 2017 **KRACK : attaques contre les communications Wi-Fi**

[Zeste de Savoir](#)

January 2017 **Introduction aux suites et séries**

[Zeste de Savoir](#)

November 2015 **L'arbre de Stern-Brocot : énumération des rationnels**

[Zeste de Savoir](#)

Contact

☎ +33 07-81-70-15-36

✉ vincent.lefoulon@free.fr

🌐 vayel.github.io

🌐 [vincent-lefoulon](https://www.linkedin.com/in/vincent-lefoulon)

🎧 [Vayel](#)

[k](#) [vincentlefoulon](#)

Programming

- Python
- Git
- SQL, MongoDB
- Docker
- Web
- Linux
- C, Go, Java

Data Science

- Tensorflow, PyTorch, sk-learn, numpy...
- CNN, RNN, Q-Learning...
- Sensitivity analysis
- Time series analysis

Interests

- Sciences
- Philosophy
- Climbing
- Yoga

Last edited in September 2018