



# Vincent Lefoulon

## Python Programming & Data Science

---

### Contact

☎ +33 07-81-70-15-36  
✉ [vincent.lefoulon@free.fr](mailto:vincent.lefoulon@free.fr)  
🌐 [vayel.github.io](https://vayel.github.io)  
🌐 [vincent-lefoulon](https://www.linkedin.com/in/vincent-lefoulon)  
🌐 Vayel  
k [vincentleloulon](https://www.kickstarter.com/profile/vincentleloulon)

### Programming

- Python
- SQL, MongoDB
- Docker
- REST API (Django)
- Web front-end
- AWS
- C, Go, Java, Arduino

### Data Science

- numpy, pandas, dask, sk-learn, Tensorflow...
- Sensitivity analysis
- Time series analysis
- Bayesian statistics

### Interests

- Science
- Philosophy
- Climbing
- Yoga
- Education
- [Environment](#)

### Work experience

#### 03/18 - 01/19 **Data Scientist and Scientific Programmer for Simulation Models**

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

I worked with Python to build statistics-based tools and visualizations to validate and analyze simulation models. It includes sensitivity analysis, time series analysis, space exploration, Bayesian inference... These tools are shipped into a Python library I built from scratch.

#### 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 - 03/17 **Project Manager**

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

I volunteered for Nsigma, ENSIMAG's junior company. I especially worked as a project manager: helping clients define their needs, writing specifications, managing programmers... I also developed internal tools to automate the administrative process.

### 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)

### Personal work

#### January 2019 **Le raisonnement par récurrence**

[Zeste de Savoir](#) (Publication)

#### December 2018 **Domotics for farm water supply**

[GitHub](#) (Code project - Python & Arduino)

#### December 2018 **Introduction aux systèmes distribués**

[Zeste de Savoir](#) (Publication)

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

[Zeste de Savoir](#) (Publication)

More on [in](#)

*Last edited in January 2019*

