Vincent Lefoulon

Python Programming, Data Science and Data Visualisation

Contact

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🌐 vayel.github.io

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○ Vayel

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Programming

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

Data Science

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

Interests

- Science
- Philosophy
- Climbing
- Yoga
- Education

Work experience

09/18 - Now   **Data Scientist and Scientific Programmer for Simulation Models**
Simudyne (London, United Kingdom)
I use the Python ecosystem to build statistics-based tools and visualizations to validate and analyse simulation models. It includes sensitivity analysis, time series analysis, space exploration... These tools are shipped into a Python library that is used as a data pipeline.

03/18 - 08/18   **R&D Intern in Data Science for Agent-Based Modelling**
Simudyne (London, United Kingdom)
I used Python to validate and analyse agent-based models, including a Kolmogorov-Smirnov test for time series, sensitivity analysis and visualisations.

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.

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

September 2018   **Dash-forms Python library**
GitHub (Code project)

February 2018   **TED talks visualisation**
GitHub (Code project)

December 2017   **KRACK : attaques contre les communications Wi-Fi**
Zeste de Savoir (Publication)

November 2015   **L'arbre de Stern-Brocot : énumération des rationnels**
Zeste de Savoir (Publication)

More on https://vayel.github.io.

Last edited in November 2018