Vincent Lefoulon

Python Development, Data Science and Data Visualisation

Contact

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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

- Science
- Philosophy
- Climbing
- Yoga
- Education

Work experience

09/18 - Now **Data Scientist applied to Simulation**
Simudyne (London, United Kingdom)
I work with Python to build machine-learning-based tools and visualizations to validate and analyse agent-based models. I develop a Python library to carry out analyses on these 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.

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 October 2018