

Mikael Koutero

Data scientist - PhD

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Summary

Data scientist with over 7 years of interdisciplinary experience in biotechnology, consultancy and human resources. Achievements include the development of production-ready job vacancy / candidate matchmaking algorithms, the writing of corporate communication and the design of digital solutions. Keen on bridging the knowledge gap between data and business considerations.

Experience

Clustree

Paris, France

Data Scientist

2019-

- Collaborate with data, product and customer success teams to bring pragmatic solutions to client-driven needs.
- Development of production code in a Continuous Integration and Continuous Deployment (CI/CD) environment (Gitlab).
- Data modeling and cleaning (Python - Elastic Search - NLP).
- Machine learning models performance assessment and reporting (Shell/Html reports).
- Presentation of models performances to clients.
- Corporate communication media writing (white paper).

Kernix

Paris, France

Data Scientist

2017-2018

- Optimization of sales forecast model in textile industry (decreased processing time by 10 fold with equal performances).
- Challenging of existing risk assessment models in banking (increased funding by 10% while decreasing global risks).
- Project Management and development of an error detection data pipeline for a pharmaceutical industry.
- Knowledge transfer to junior data teams (statistical/machine learning models, coding, methodologies).
- Internal : design DataLab corporate communication strategies.

Institut Pasteur

Paris, France

PhD candidate

2013-2016

- Identification of novel communication molecules in host-pathogen interactions from high throughput low signal/noise data (3 published work / 6 ongoing projects).
- International collaborative exchanges for interdisciplinary projects (Israël, USA and Sweden).

Skills

Data Science

- Data mining/wrangling (python, bash, sed, awk).
- Data pipeline (python, MongoDB, SQL).
- Machine learning (sklearn, xgboost, keras).
- Performance assessment (confusion matrices, residual analyses, business related).

Software engineering

- Need identification (Value Proposition Design).
- Specification design and planning.
- Implementation (python, html, css, js).
- Deployment (Google Cloud, virtual hosts, WSGI, cron, secured connexions).

Communication

- Corporate communication (content, edition, strategy).
- Charting (matplotlib, chart.js).
- Popularization.
- Reporting (data audit, research articles).

Transversal

Technology watch, Knowledge sharing, Corporate communication, International collaborations

Languages

Finnish, French, English - fluent

Education

Université Paris Descartes

Paris, France

Ph.D. from Frontiers in Life Science doctoral school

2013-2016

Université des Sciences et Technologies de Lille

Lille, France

M.S. in Biology and Biotechnology

2006-2008