Sebastien**Campion**

Senior Research Engineer

contact

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github.com/scampion
http://www.scamp.fr

languages

french mother tongue
english & spanish

skills

AI Architect, Proof Of
Concept, Scientific
Computing, Machine
Learning, Python, Linux
Git, Cython, Java, C,
C++, Javascript,
HTML5.

experience

2019 - now   **PricewaterhouseCoopers** / Advisory 2700 employees   Luxembourg, Luxembourg

Data AI Architect.
Design and implement a complete data science platform dedicated to large scale real-time analysis for European commision / Taxation and Customs Union Departement. Implement machine and deep learning projects for geocoding prediction and a large scale similiarity search engine. Implement machine and deep learning projects for geocoding prediction and a large scale similiarity search engine.

| Machine Learning | Container orchestration Kubernetes | Data Virtualization | Continuous Delivery |

2017 - 2019   **INRIA** / French Academic Research Institute 2500 employees   Rennes, France

Research engineer in Cybersecurity.
Dealing with various topics like ransomware detection, malware analysis using machine learning techniques or cryptographic protocols.

- Contributing to scientific experimentations.
- Design infrastructures and softwares.
- Requirements analyse and bootstrap projects.
- Establishing roadmap.
- Supervising projects and team leading.
- Recruiting.

| Concolic | ANGR | Call graph | Double Ratchet | Diffie-Hellman |

Technical director for high security laboratory.

| DMZ Infra | Cisco ASA | Docker cluster | Jupyter | GPU |

2015-2017   **Mediego** / Startup   Rennes, France

Co-Founder and CTO
The solution developed enables to compute efficient and fast recommandations for emailing based on the user's web navigation.

- Product manager.   - Pre-sales client analysis.
- Team leading.   - Proof of concept.
- Market study.   - Support.

| Machine Learning | ANN | Kafka | Cassandra | Mongo | Java |

2007-2015   **INRIA** / French Academic Research Institute 2500 employees   Rennes, France

Research engineer for efficient exploration and indexing in very large multimedia databases.

- Contributing to scientific experimentations
- Managing our platform for indexing multimedia contents
- Coarse-grain distributed computing
- Developing and improving scientific prototypes
- Elaborating corpora / ground-truth for experimentation's evaluations
- Publishing demo and online web services

| Machine Learning | Large scale | ANN | CBIR | Computer Vision | NLP | Python | Redis | Scikit-Learn |

Technical director for INRIA forge   *| 14 000 users | 4 300 projects |*

2002-2007 **Orange Labs** / France Telecom R&D 130 000 employees   Rennes, France

Junior Project Manager for TV/VOD metadata management networks.

- Project on metadata aggregation service for multimedia contents distributed on Orange's networks (IP, ADSL, Mobile)
- Mobile TV project: specification and development of an electronic service guide for mobile terminals through an experimentation handled to DVB-H (Digital Video Broadcasting standard).
- Development of TV/VOD portal access by Orange ADSL TV Set Top Boxes.

2001 **Thomson Grass Valley**   Rennes, France
Internship (3 months)
Development of a web monitoring tool which centralize logs generated by various MPEG2 audiovisual appliances (gateway, encoder, multiplexer, decoder, ...)

con sulting & teaches

- Expert for the claiming of research tax credit (CIR) by the French Ministry of Higher Education and Research

- Expert trainer in software development for lawyers at IEEPI
  `http://bit.ly/ieepi-scampion`

- Lesson on open source development and Research - Master degree Research
  `http://scampion.github.io/devoss`

- Practical work for "Multimedia Machine Learning Tutorials" - Master degree
  `https://github.com/scampion/multimedia-machine-learning-tutorials`

edu cation

1999–2002 **Master's degree in Engineering** of Computer Science and Telecommunications
ESIR, University of Rennes 1, France
Specialization in language and computer system.

1997–1999 **DEUG (two-year university degree)** Physics and Chemistry   University of Rouen, France
Specialization in computer science