

Sébastien Huot

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👤 huot-s.github.io/portfolio

Software & Data Engineer

Results-driven Data and Software Engineer with over five years of experience in software development, data analysis and strong academic background in Computer Science. Proven ability to collaborate with clients to deliver tailored solutions and enhance user experiences.



Education

- 2019 - 2020 **MSc Advanced Computing with Distinction** | [Imperial College London](#)
- Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Finance, Blockchain
 - Master Thesis: Bayesian Nash Equilibrium in Games with Vector Types and Linear Payoffs
- 2016 - 2019 **Master (Diplôme Ingénieur)** | [CentraleSupélec](#)
- Signal Processing, Mathematics, Statistics, Software engineering, Electronics, Physics
 - Management, Accountability, Economics, Corporate law, Project management
- 2014 - 2016 **CPGE (MP*)** | [Lycée Hoche](#)
- Preparatory classes – Intensive Maths, Physics & Computer Science

Work Experience (5+ years)

- 2021 – now
3 years **Senior Data and Software Engineer** | [Shift Technology](#) | Paris
- Developed & optimized an insurance fraud detection SaaS solution in C# and SQL.
 - Collaborated within a CI/CD development pipeline under Git, GitHub, TeamCity, and Octopus.
 - Maintained a robust data pipeline that efficiently runs fraud analysis on millions of objects daily.
 - Trained a fraud detection & scoring model with Machine Learning (LightGBM) on very imbalanced datasets.
 - Engaged directly with clients from the sale to run phases (demo, business case, KPI workshops, governance).
 - Led the DS Belgian team with a portfolio of four major insurance companies and over €1M annual revenue.
- 2020 – 2021
1 year **Software Engineer Consultant** | [Klee Group](#) | Le-Plessis-Robinson (92)
- Led the development of the OpenData RNCS project for the INPI under Java 8, Oracle, and Elastic Search.
 - Implemented a robust development pipeline with SVN and Jenkins.
 - Ensured code quality through SonarQube and efficiently managed client issues via Mantis Bug Tracker.
 - Designed an intuitive mobile app for a physical archive company, improved user experience with thoughtful layouts, broke the project into actionable tasks with clear features, testing requirements, and timelines.
- 2019
6 months **Junior Data Scientist Consultant** | [TNP Consultants](#) | Luxembourg
- Setup a data pipeline and trained a pricing model with Dataiku and Python for a multinational steel company.
 - Deployed Machine Learning models on AWS SageMaker and integrated with a user-friendly POC interface.
 - Designed a Power BI dashboard to provide actionable insights to a major European bank's internal operations.
 - Conceived & drafted an RFP for the French government, POC for automated license plate recognition.
- 2019
6 months **Cybersecurity Architect and Expert** | [Natixis](#) | Paris
- Audited Natixis applications for compliance with banking security standards with Qualys, Checkmarx, Zap.
 - Evaluated critical Cloud projects to address risks and enhance cloud security posture.
 - Developed dashboards KPIs with Power BI, providing insights for top management.
 - Trained developers to integrate security best practices into the software development lifecycle.
- 2017
2 months **Software Engineer Intern** | [Airbus Defence & Space](#) | Elancourt (78)
- Designed and developed flight simulation software in C++, enhancing the accuracy of flight scenarios.
 - Analyzed and computed performance metrics on existing models through Python.

Others

- Languages **French** (mother tongue), **English** (TOEFL 106/120) and German (basic level)
- Digital Tools Microsoft Office, Adobe Creative Suite (Photoshop & Illustrator), Power BI
- Programming **C#, SQL, Python** (PyTorch, Scikitlearn, Pandas), Java, Javascript/Vue.js, HTML5, CSS3, PHP, MATLAB
- Awards **Winton Capital Applied Computing MSc Prize** – best individual project (2019 – 2020)
- Publications [Pure Bayesian Nash Equilibrium on Bayesian Games with Multidimensional Vector Types and Linear Payoffs](#)
- Sports Handball, Volleyball, Kick boxing, Running, Cycling, Badminton, Dodgeball, Swimming