

**Sébastien HUOT**  
☎ +33 (0)6.40.36.88.69  
✉ sebastien.huot@pm.me  
🌐 linkedin.com/in/huots

# Looking for an opportunity in Software Engineering



## Education

- 2019 - 2020    **Advanced Computing MSc (Distinction) @ Imperial College London**  
- Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Finance, Blockchain  
- Translation score estimation using BERT in Python (group project)  
- Vue.js frontend interacting with a custom Ethereum Smart Contract (individual project)  
- 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
- 2014 - 2016    **CPGE (MP\*) @ Lycée Hoche**  
Preparatory classes – Intensive Maths, Physics & Computer Science

## Work experience (6+ years)

- 2025 – now    **Lead AI Engineer @ Pearlrees**    Paris (75)  
- Develop, design and deploy an Educational Agent with self-hosted open-weight LLMs  
- Build and drive the AI engineering team from scratch as technical lead
- 2021 – 2025  
3.5 years    **Senior Data Scientist @ Shift Technology**    Paris (75)  
- Develop and integrate fraud detection scenarios for insurance companies  
- Scoring & detection of fraud in Python using Machine Learning with very imbalanced datasets  
- Integrate clients' data in SQL databases and setup daily analysis on large volumes
- 2020 – 2021  
1 year    **Software Engineer Consultant @ Klee Group**    Le Plessis-Robinson (92)  
- Develop and deploy the Open Data RNCS project (INPI)  
- Develop a Web Interface for the French National Archive: storage management
- 2019  
6 months    **Data Scientist Intern @ TNP Consultants**    Luxembourg  
Design industrial dynamic pricing models using Xgboost (random forest) in Python
- 2018 – 2019  
6 months    **Architect & Expert in Security Intern @ Natixis**    Paris (75)  
- Test applications with security dedicated tools (Qualys, Checkmarx and Zap)  
- Coach IT developers to incorporate security aspects within the projects
- 2017 – 2018    **Project Manager @ CentraleSupélec WizAir Project**    Orsay (91)  
Entrepreneurial project around an IoT air pollution sensor
- 2017  
2 months    **Software Engineer Intern @ Airbus Defence & Space**    Elancourt (78)  
Data Analysis (Python) and development of a flight simulation software (C++)

## Others

- Languages    **French** (mother tongue) and **English** (TOEFL 106/120)
- Computer tools    Microsoft Office, Adobe Creative Suite (Photoshop & Illustrator)
- Programming    **Python** (ML & Agentic), **C#**, Typescript, Java, Vue.js, HTML5, CSS3, SQL
- 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    Bouldering, Handball, Volleyball, Kick boxing, Running, Cycling, Badminton, Dodgeball, Swimming