

# Alexandre Autret

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## Objective

Join the data science team.

## Formation

- 2017 – 2022** **Engineering/Management double degree**, *Pôle Universitaire Léonard de Vinci, La Défense*
- **Engineer's degree** (*Diplôme d'ingénieur*) in data and AI at ESILV
  - **Master's degree** (*Grade de master*) in marketing management at EMLV
- 2017 – 2022** **Soft Skills Training**, *Pôle Universitaire Léonard de Vinci, La Défense*
- Weekly workshops at ESILV
  - Cross-disciplinary hackathons with management and multimedia students
- Aug. – Dec. 2019** **Student Exchange Program**, *Sungkyunkwan University, South Korea*
- Semester at Sungkyunkwan University's Natural Sciences Campus in Suwon
  - Courses in probability and stochastic processes, software engineering and calculus

## Experience

- January – July 2022** **Marketing data analysis internship**, *Numberly, Paris*
- Queried **SQL databases** to draw marketing insights from client data
  - Worked on internal **data analysis** and **data science** innovation projects
- 2021 – 2022** **Industrial Innovation Project (PI<sup>2</sup>A5)**, *ESILV & HKML, La Défense & Hong Kong*
- Explored the use of **NLP** for **financial analysis**
  - Extracted strong **predictive signals** from financial reports
- April – September 2021** **Data science internship**, *Tessella/Capgemini Engineering & EchOpen, Vélizy-Villacoublay*
- Researched and explored the use of **domain adaptation** applied to **medical images**
  - Implemented and evaluated **data augmentation** techniques on medical images
- 2020 – 2021** **Industrial Innovation Project (PI<sup>2</sup>A4)**, *ESILV & Monabanq, La Défense*
- Created a platform for managing subscriptions for Monabanq customers
  - Used **Oracle Cloud** Infrastructure, REST APIs, OAuth 2.0
- June – Aug. 2019 & 2020** **Database management internships**, *Lefebvre-Sarrut Group, Levallois-Perret/Montrouge*
- Detected anomalies using SQL and Adobe Campaign
  - Created automated error reporting **dashboards** using SAP BusinessObjects
  - Created a **Tealium/Magento** master **tagging plan**
- 2017 – 2018, 2018 – 2019** **Imagination and eXploration Projects (PIX1, PIX2)**, *ESILV, La Défense*
- Used CAD software (SolidWorks) to design a robot following specific constraints
  - Designed a mechatronic system using an Arduino and electronic components

## Skills

### Technical

- **Python, R, C#** and **MATLAB** programming (object-oriented programming, data visualization, machine learning with **scikit-learn, PyTorch** and **Keras**)
- Data analysis in **SQL** and **NoSQL (MongoDB, Neo4j, Cassandra, Elasticsearch)**, on **pandas** and Adobe Campaign
- Web development in **HTML, CSS** and **JavaScript**
- Office Suite
- Dashboards and reporting with **SAP BusinessObjects**
- Virtualization with **Docker**

### Linguistic

- English, fluent (653/677 TOEFL ITP)
- French, first language
- German, intermediate
- Russian, intermediate

### Human

- Adaptability and organization
- Active listening
- Autonomy and quick learning

## Hobbies

### Music

### Travel

### Sports

- Creation on FL Studio, 4 years of piano, 5 years of music theory
- Trips to countries like Ireland, Korea and Russia
- 4 years of badminton, 5 years of table tennis, 1 year of fencing