

# Alexandre Vessereau

Data Engineer/Analyst  
Behavioural Economist

Born in September, 1997

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## Professional Experience

- Jan 2025 **Data Engineer, NineSquares A.B.**, Permanent Contract, Stockholm, Sweden.
- Architected and implemented a comprehensive PostgreSQL database backend via Supabase for a gamified mobile app, designing optimized schemas and data models to support high-performance data retrieval operations
  - Designed and developed robust data pipelines using Python and Airflow to ensure real-time data synchronization
  - Implemented automated data validation mechanisms and alerts to ensure data quality and integrity
  - Integrated REST APIs with user authentication systems and implemented geospatial data processing pipelines (Supabase Edge Functions)
- Jan 2023 – Dec 2024 **Consultant Data Engineer/Data Analyst, Actinvision**, Permanent Contract, Paris.
- Designed and implemented role-based access controls, permissions, table structures, and views on Snowflake to optimize data accessibility and enable efficient analysis for financial and operational workflows.
  - Developed interactive dashboards and advanced visualizations using Power BI for a luxury French fashion house, reporting on product performance and sales analytics across global boutiques and market segments.
  - Provided technical guidance and developed automated data preparation and integration workflows using Alteryx for one of Europe's largest banking groups
  - Led the migration of legacy SAS data flows to modern Alteryx workflows for the same banking institution
  - Built comprehensive dashboards and data visualization solutions for a leading construction equipment rental company using CRM Analytics, Tableau Desktop, and Make automation platform, delivering insights on sales performance and business KPIs.
- Oct 2021 – Dec 2022 **Consultant Trainer in Data Analytics, Engineering & Scientist, Actinvision**, Permanent Contract, Paris.
- Delivered data infrastructure and pipeline solutions for major clients in agribusiness and banking sectors, implementing ETL processes to support business-critical operations.
  - Led project management for creating comprehensive educational modules covering Data Visualization, Data Preparation, and Data Science workflows
  - Designed end-to-end ML pipelines including data preprocessing, feature engineering, model construction, and evaluation frameworks
  - Delivered technical training on Data Visualization (Tableau) and Data Preparation/Science (Alteryx) to over 400 professionals across multiple business units
- Oct 2020–June 2021 **Research assistant, Sorbonne Economic Center / French National Center for Scientific Research (CNRS)**, Paris, France.
- Meta-analysis of the different effects of cognitive anchors on purchasing behaviors
  - Development of a PostgreSQL database of thousands of quantitative elements from hundreds of scientific articles
  - Data analysis on R

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## Academic Achievements

2020–2021 **How personality can predict video game preferences: a data-driven approach**, *Master's thesis, in submission process to a marketing journal*, 17.5/20 (A+), Paris, France.

- Built and deployed ETL Python pipelines to extract, process and save over 12 million Steam video game reviews
- Designed pipelines to implement topic modeling algorithms (LDA) to identify and classify emerging video game genres
- Prediction of gamers' video game preferences according to their personality via Python (Scikit-Learn, Scipy)

2021 **Study of economic and behavioural motivations of consumers in the purchase of virtual and non-utilitarian goods**, *Project funded by the Paris School of Economics*.

- Project selected following a selective competition among Economics masters students
- Development of an online experimental study in Python (OTree)
- Modeling and prediction of subjects' behaviors via Python

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## Education

2019–2021 **Master in Economics, Specialization in Applied Econometrics and Behavioral Economics, With High Honours, entirely taught in English**, *University Panthéon-Sorbonne, Paris School of Economics & University de Paris Cité*, Paris, France.

- Advanced statistics and machine learning techniques (Python)
- Applied Econometrics and Microeconometrics (with R)
- Neuroeconomics, Microeconomics and Behavioral Finance

2016–2019 **Bachelor's degree in Psychology, Specialization in Social Psychology, with honors**, *University Toulouse-II Jean-Jaurès*, Toulouse, France.

2013–2016 **Baccalaureate in Science, Specialization in Computer Science and Advanced English**, *Lycée François d'Estaing*, Rodez, France.

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## Technical Skills

Platforms	Snowflake, AWS, DBT, Supabase, Dataiku, Alteryx, Make, Docker
Data Visualization	Tableau, Power BI, CRM Analytics
Programming Languages	Python, SQL, R, Flutter/Dart, Git, JavaScript, GDScript, LaTeX
Certifications	SnowPro Core, Alteryx Partners, Alteryx Advanced, Alteryx Basics
Languages	French (Native), English (Fluent), Spanish (Basic)