



# Vincent Fischer

Data Scientist

Data Engineer

Freelance

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Location	Boistfort, 1170 Bruxelles
Driver license	Type B, since 2016

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## Education

### Studies

2020 - 2022	<b>MASTER'S DEGREE, COMPUTER SCIENCE ENGINEERING</b> ECAM, Brussels, Belgium <b>Master Thesis:</b> Extraction et traitement des mouvements du squelette d'une personne sur une vidéo RGB pour en garder la cohérence physique et temporelle Supervisors: Ir. Quentin Lurkin
2017 - 2020	<b>BACHELOR'S DEGREE, INDUSTRIAL ENGINEERING</b> ECAM, Brussels, Belgium Option in IT

### Certifications

2024	Great Learning: ChatGPT for beginners Coursera: Fundamentals of Generative AI for Beginners (AWS)
2023	Great Learning: Introduction to GraphQL The Linux Foundation: Green Software for Practitioners ISO27001 (Renewal)
2022	Amazon: CLF-C01 AWS Certified Cloud Practitioner Microsoft: PL-300 Microsoft Power BI Data Analyst Databricks: Accredited Lakehouse Fundamentals Coursera: <ul style="list-style-type: none"><li>Stanford University: Machine Learning Specialization</li><li>Project Network: Mastering Data Analysis with Pandas</li><li>Michigan University: Python for Everybody Specialization</li></ul>

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## Trainings

2024	ChatGPT Prompt Engineering for Developers (Deeplearning.ia), Prompt Engineering with Llama 2 (Deeplearning.ia), Serverless LLM Apps Amazon Bedrock (Deeplearning.ia), Your First 2D game from zero with GODOT 4 (YT), Planning a Generative AI Project (AWS)
2023	Numérique responsable (Academie NR), PySpark pour Data Engineer et Data Scientist avec 2 projets (Udemy), Learn SQL and prepare for Oracle SQL 1Z0-071 (Udemy)
2022	Advanced SQL, Power Apps, React, Data Warehouse, Excel, Power BI, Cloud Architectures, PL/SQL, APEX, Azure Data Factory, UML, Agile tools and methods, Databricks, Machine Learning, Angular, Git (versioning)

## IT Skills

In industry	Python, Excel, VS Code, Jupyter Notebook, Postman, Pandas, Matplotlib, Numpy, Prompt Engineering, RestAPI, GraphQL, WSL, SQL, PySpark, PowerBI, Gitlab, Containerization, Docker, Airflow, DBeaver, FastAPI, NLP, ML, Selenium, AWS, Azure, Azure API, MySQL, Psycopg2, Sagemaker, OpenAI ChatGPT
My projects	Github, Image Processing, Web scraping, Mediapipe, Tensorflow, Keras, Scikit-Learn, Virtualization, Virtualbox, Google Colab, Godot4, Ansible, Llama2, Webflow
Knowledge of	Oracle, SQL Developer, NoSQL, MongoDB, Neo4j, Django, Flask, Laravel, Angular, Symfony, React, HTML, CSS, PyTorch, Dataiku, Databricks, Azure Data Factory, C#, Amazon Bedrock
Non-Technical	Initiative taker, Quick learner, Self-taught, Team player, Volunteer, Persevering, Curious, Autonomous, Easy going

## Languages

French	Mother tongue (C2)
English	Fluent (C1)
Dutch	Basic user (A1)
Spanish	Basic user (A1)

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## Professional Experience

From 09/22 To 05/2024 (1 yr 8 mo)	<b>Hermès Engineering</b> <i>IT consultant – Infrastructure team member – Data Science team member</i>  Within Hermès I mostly work as a consultant. But I am also a member of the infrastructure team. We are mostly working on maintenance issues on Azure services and decommissioning on premise old servers and VM.  <i>Technologies:</i> Azure, Windows server 2003, Linux, Docker, Azure DevOps
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From 11/23  
To 02/2024  
(3 months)

**Gaming1**  
*Data Engineer, Developer*

The Gaming1 Landbased team needed help with their Data Collection project, which consisted in bringing back data from their distant offline sites back to the HQ.

- Analysis of the on-site data available on their different CMS. Doing so through MySQL backup databases and docker.
- Presentation of the data to the business to agree on which data we need to bring back.
- Development of GraphQL APIs to standardize communication with the different CMS brands.
- Development of the recuperation APIs to store the data on AWS.
- ETL of said data in PySpark to make it available for PBI.

*Technologies:* GraphQL, Postman, CMS custom APIs, AWS, Airflow, Pyspark, Python, Docker, MySQL.

From 11/22  
To 11/2023  
(1 year)

**Gaming1**  
*Data Scientist, Data Engineer, Developer*

Support to both the data platform and the data science teams as a data scientist with knowledge in both data science and data engineering.

- Creation and automatization via Airflow of a python script to call PowerBI and Azure APIs to get an overview of their metadata.
- ETL with PySpark for business use cases.
- Creation of SQL queries to check the data quality.
- Developing unit tests for the existing ETL scripts in accordance with the future data mesh policies.
- Creation of a python script to verify that the export of the databases to AWS S3's went well.
- Data analysis with Pandas to estimate the feasibility of an early detection model (Marketing and Compliance).
- Developing a new feature for an existing library that transforms the Json definition of an Airflow DAG into a DAG (with custom tasks).
- Development of an automated language detection, followed by an insult automated detection for Zendesk tickets (via API).
- Development of a script refreshing partitions of a dataset and dataflow.
- Web scrapping to compare our website to the competitions.

*Technologies:* AWS, PySpark, Python, Git, APIs, SQL, Visual Studio Code, TensorFlow, Azure AD, DBeaver, Miro, Tensorflow, Psycopg2, WSL, Debian/Ubuntu, Docker, Pandas, Airflow, Pillow, Selenium, BeautifulSoup

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From 09/21	<b>ECAM's research and development center (CERDECAM)</b>
To 07/2022	<i>Master's Thesis in computer vision</i>
(10 months)	<p>Development of a POC on a comparison study of different pose estimation models.</p> <ul style="list-style-type: none"> <li>• Confidential finality</li> <li>• Using Artificial Intelligence and Image Processing</li> </ul> <p><i>Technologies:</i> Colab (Google), Visual Studio Code, Mediapipe, Github</p> <hr/>
From 07/20	<b>Work And Meet</b>
To 06/2022	<i>Data Engineer, Python Developer</i>
(2 years)	<p>Helping in a startup. Mostly data retrieval, processing, and analysis.</p> <ul style="list-style-type: none"> <li>• Developing python scripts to do the retrieval with Psycpg2</li> <li>• No big data meant processing done with Pandas</li> <li>• Jobs orchestrated on Airflow</li> </ul> <p><i>Technologies:</i> Visual Studio Code, Python, Psycpg2, Docker, Github, Airflow, AWS, Excel, Pandas</p> <hr/>
From 07/21	<b>Boardgame Dev.</b>
To 08/2021	<i>Master 2 internship</i>
(2 months)	<p>Full development of a game platform for team building.</p> <ul style="list-style-type: none"> <li>• Architecture development with Office and Draw.io</li> <li>• Backend with Laravel (PHP)</li> <li>• Frontend with React</li> <li>• Rest API linking both ends.</li> </ul> <p><i>Technologies:</i> Visual Studio Code, Laravel, PHP, React, Rest APIs, Postman, Draw.io</p> <hr/>
From 04/20	<b>European School of Brussels</b>
To 05/2020	<i>Bachelor 3 internship</i>
(2 months)	<p>Implementation of a ticketing system to help the school's IT team being more efficient while not incurring new costs.</p> <ul style="list-style-type: none"> <li>• Research on free ticketing tools and associated OS</li> <li>• Installation of Linux servers on virtual machines.</li> <li>• Installation of OTRS (free ticketing tool)</li> <li>• Setup of OTRS with associated mail ticketing.</li> </ul> <p><i>Technologies:</i> Linux, Centos, OTRS, Oracle VM VirtualBox</p> <hr/>