Vincent Fischer

Data Scientist
Data Engineer
Freelance

Date of birth	19 February 1996
Mail	vincent.fischer@hotmail.com
Linkedin	https://www.linkedin.com/in/vincent-fischer-ds/
Github	https://github.com/Division01
Website	https://fvdc.io
Location	Boistfort, 1170 Bruxelles
Driver license	Type B, since 2016

_____Education

Studies

2020 - 2022 **MASTER'S DEGREE, COMPUTER SCIENCE ENGINEERING**
ECAM, Brussels, Belgium
Master Thesis: 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 **BACHELOR'S DEGREE, INDUSTRIAL ENGINEERING**
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:
- Stanford University: Machine Learning Specialization
- Project Network: Mastering Data Analysis with Pandas
- Michigan University: Python for Everybody Specialization

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 Developper, 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)

_____ **Professional Experience**

From 05/2024	**Fischer Vincent Data Consulting** *Data engineer, Data Scientist, Godot 4 Developper* Since leaving Hermès I created my own company. I worked some private contract for a start up doing data engineering and data science. The data engineering part was automating the creation of a star schema usable in PowerBI from an Excel document purely in Python, the POC is available on my GitHub. The data science part was developing a webscrapping script, coupled with an LLM that had to be available on discord to give insights according to the data. The Godot 4 game is still in development and therefore private, my first game which was to learn the engine is available on my website as an APK. *Technologies : Godot 4, Python, Pandas, Numpy, Psycopg2, Selenium, BeautifulSoup, pydf, llama-index, ollama, discord-py*

From 09/22	**Hermès Engineering**
To 05/2024	*IT consultant – Infrastructure team member – Data Science team member*
(1 yr 8 mo)	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.

Technologies: Azure, Windows server 2003, Linux, Docker, Azure DevOps

From 11/23	**Gaming1**
To 02/2024	*Data Engineer, Developer*
(3 months)	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	**Gaming1**
To 11/2023	*Data Scientist, Data Engineer, Developer*
(1 year)	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.
- Development of unit tests for the existing ETL scripts.
- Creation of a python script to verify the statuses of databases export to AWS S3.
- Data analysis with Pandas to estimate the feasibility of an early detection model.
- Development of 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 scraping 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

From 09/21	**ECAM's research and development center (CERDECAM)**
To 07/2022	*Master's Thesis in computer vision*
(10 months)	Development of a POC on a comparison study of different pose estimation models.

- Confidential finality
- Using Artificial Intelligence and Image Processing

Technologies: Colab (Google), Visual Studio Code, Mediapipe, Github

From 07/20	**Work And Meet**
To 06/2022	*Data Engineer, Python Developer*
(2 years)	Helping in a startup. Mostly data retrieval, processing, and analysis.

- Developing python scripts to do the retrieval with Psycopg2
- No big data meant processing done with Pandas
- Jobs orchestrated on Airflow

Technologies: Visual Studio Code, Python, Psycopg2, Docker, Github, Airflow, AWS, Excel, Pandas

From 07/21	**Boardgame Dev.**
To 08/2021	*Master 2 internship*
(2 months)	Full development of a game platform for team building.

- Architecture development with Office and Draw.io
- Backend with Laravel (PHP)
- Frontend with React
- Rest API linking both ends.

Technologies: *Visual Studio Code, Laravel, PHP, React, Rest APIs, Postman, Draw.io*

From 04/20	**European School of Brussels**
To 05/2020	*Bachelor 3 internship*
(2 months)	Implementation of a ticketing system to help the school's IT team being more efficient while not incurring new costs.

- Research on free ticketing tools and associated OS
- Installation of Linux servers on virtual machines.
- Installation of OTRS (free ticketing tool)
- Setup of OTRS with associated mail ticketing.

Technologies: Linux, Centos, OTRS, Oracle VM VirtualBox