

# Nguyen Hoang Tung Pham

Data Engineer

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## Work Experiences

- Sep 2024 – Present **Data Engineer (Apprentice)**, *Manaos – Subsidiary of BNP Paribas*, Paris, France
- **Developed** internal **Python** libraries reusable across teams for data I/O and validation, including **SFTP (Paramiko)**, **internal APIs**, **Microsoft Graph API** and **AWS APIs**.
  - **Contributed** to **data pipelines**: participated in the development and improvement of data pipelines, particularly for integration, transformation and automation of **ESG** datasets on **AWS (S3, Glue, Athena, SageMaker)**.
  - **Developed** and **tested** dbt models for data modeling and quality; **applied** code standards to improve reliability and facilitate exploitation for **reporting**.
  - **Created** a **chatbot** for clients with **AWS Bedrock** and **Chainlit** to explore datasets in **self-service** and improve access to internal information.
  - **Collaborated** with analysts and product managers; **authored runbooks** and **improved** documentation.
  - **Built** dashboards with **AWS QuickSight**.
  - **Trained** continuously on data tools and **worked** with data and business teams.
- Jan 2024 – Sep 2024 **Data Analyst (Intern)**, *Manaos – Subsidiary of BNP Paribas*, Paris, France
- **Automated** **ESG** data manipulation, cleansing, and consolidation in **Python**.
  - **Used web scraping** to collect financial information.
  - **Optimized SQL** queries for reliable client-ready insights.
  - **Built** interactive dashboards leveraging **AWS** services.

## Technical Skills

Programming	Python, SQL, Scala, Rust, Go, Java, C, SAS, R
Cloud & Big Data	AWS, Azure, Snowflake, Hadoop, Hive, Spark, Kafka, Airflow, dbt, Kubernetes
Databases	MySQL, PostgreSQL, MongoDB
Development Tools	Git, Docker, Terraform, Ansible
Frameworks & APIs	Flask, FastAPI, Streamlit, Chainlit, Pydantic, PydanticAI, Web Scraping
Artificial Intelligence	OpenCV, Scikit-learn, PyTorch, TensorFlow
Methodologies	Agile, Scrum, OOP, Functional Programming, CI/CD

## Educations

- Sep 2024 – Present **Engineer's degree, Major: Data Science & Artificial Intelligence**, *ESIEA – Graduate School of Engineering*, Paris, France  
Currently in 5th year. 4th year average grade: 18/20.
- Sep 2022 – Sep 2024 **Master's degree, Major: Financial Engineering**, *University of Montpellier*, Montpellier, France  
First-class honours – Class valedictorian.
- Sep 2023 – Sep 2024 **University Diploma, Big Data & Data Science**, *University of Montpellier*, Montpellier, France  
First-class honours.
- Sep 2019 – Sep 2022 **Bachelor's degree, Major: Banking and Finance**, *University of Rennes 1*, Rennes, France  
With honours.

## Certificates

- 2024 IBM Data Engineer Professional Certificate – IBM.
- 2023 Google Data Analytics Professional Certificate – Google LLC.

## Languages

French	Bilingual
English	Professional working proficiency (TOEIC 850)
Vietnamese	Mother tongue

## Soft Skills

Leadership, Interpersonal Communication, Project Management, Complex Problem-Solving, Adaptability, Team Spirit