

# Phuong-Dung Nguyen

Availability: 11 March 2024 – 6 September 2024

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Paris, France

## Data Scientist / Data Engineer

Pursuing a Master of Science in Big Data and Machine Learning, I'm an upcoming graduate with strong math background and 1+ year of experience as Data Scientist. Proficient in data manipulation and exploration, with hands-on experience in data analysis, data visualization and developing Machine Learning algorithms. Actively seeking an internship opportunity to enhance skills in Data Engineering, Machine Learning, AI and data-driven decision-making.

### CORE COMPETENCIES

Data Aptitude ♦ Machine Learning/AI ♦ Statistical Analysis ♦ Data Visualization ♦ Database Querying ♦ Programming ♦ Version Control (Git/GitHub) ♦ Problem-solving ♦ Project Management ♦ Communication ♦ Teamwork

**Data Science:** R ♦ Python (Pandas, Numpy, Scikit-learn, TensorFlow, PyTorch, Streamlit, Plotly, Seaborn...)

**Data Engineering:** ETL Pipeline ♦ Java ♦ Scala ♦ Spark ♦ Apache Kafka ♦ Docker ♦ Azure ♦ GitHub Actions

**Database Management:** RDBMS (MySQL, PostgreSQL, Oracle) ♦ NoSQL DB (MongoDB, Redis, Cassandra, Neo4J)

**Web Development:** Java ♦ SpringBoot ♦ Flask ♦ Django

### EXPERIENCE AND ACHIEVEMENTS

**SOCIETE GENERALE FRANCE, Paris, France**

**September 2022 – Current**

**Data Scientist Apprentice | SQL, Python, NumPy, Pandas, Excel VBA**

- ♦ Conduct in-depth data analysis to gain insights into the data model and assess client companies' environmental impact.
- ♦ Develop and optimize advanced algorithms for precise evaluation of the environmental footprint, focusing on CO2 emissions. Achieved an outstanding 97% accuracy rate in classifying 150 companies.
- ♦ Engineer programs to retrieve data from APIs and harmonize diverse data formats from 5 sources, resulting in a 50% reduction in overall processing time for over 15,000 requests.

**SOCIETE GENERALE FRANCE, Paris, France**

**September 2022 – Current**

**Software Engineer Apprentice | Java, TypeScript, Angular, Spring Boot, SQL**

- ♦ Collaborated in a team of 4 and refactored an internal web application by introducing Restful API service and designing an intuitive statistic dashboard, resulting in a 92% improvement in user satisfaction based on post-update surveys.
- ♦ Orchestrated thorough UAT procedures and documented the outcomes, identifying 90% of production environment errors before they impacted end-users.

### PROJECTS

**Real-time Monitoring System**

**February 2023 – May 2023**

**Scala, Apache Kafka, Spark, HDFS**

- ♦ Developed a Big Data solution with 3 side: Simulating drones that generate data every 3 seconds; Real-time monitoring data using Kafka for immediate alerting in critical situation); Performing in-depth data analysis with Spark Analytics.

**Data Analysis and Visualization for 2 datasets: MovieLens and Estate Value in France**

**November 2022**

**Python, Plotly, Pandas, Streamlit**

- ♦ Deployed 2 Streamlit applications for data analysis and data visualization of datasets of 30M+ records.

### EDUCATION

**Master Big Data and Machine Learning**

**September 2022 – September 2024**

**EFREI Paris, Engineering School of Computer Science, Paris, France**

- ♦ GPA: 3.7 (16.88/20)

- ♦ Courses: Data Science, Machine Learning, Big Data Frameworks, Data Engineering, DevOps, Database Management

**Bachelor Data Science and Statistics**

**September 2021 – September 2022**

**Lumiere Lyon II University, Lyon, France**

- ♦ GPA: 3.5 (14.25/20)

- ♦ Courses: Artificial Intelligence, Data Structures and Algorithms, Statistics

### LANGUAGES

**English:** Fluent C1 (955/990 TOEIC)

**French:** Fluent C1

**Vietnamese:** Native