

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 ♦ CI/CD

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 - Data Engineer | SQL, Python, NumPy, Pandas, Excel VBA

♦ Conduct data exploration and in-depth data analysis to gain insights into the data model.

♦ Develop and optimize advanced algorithms to assess client companies' environmental impact, focusing on CO2 emissions. Achieved an outstanding 97% accuracy rate in classifying 150 companies.

♦ Engineer ETL data pipelines to retrieve data from APIs and harmonize diverse data formats from multiple 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 | Java, Spring Boot, Angular, TypeScript, SQL

♦ Collaborate in a team of 4 and refactor 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.

♦ Orchestrate thorough UAT procedures and document 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