SIMEON NGALAMOU U.S. Citizen

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SUMMARY OF QUALIFICATIONS:

- Proficient in **Tableau, Apache Spark, Hadoop, Apache Hive**, SAS, SPSS, NumPy, and Python libraries for statistical analysis and data manipulation.
- Strong ability to conceive, develop, and implement **system designs** and **end-to-end data analytical and machine learning solutions** to solve high-priority problems, including proficiency with **AWS and cloud-based data engineering platforms**.
- Proven experience to **analyze and conceptualize system designs** to direct and implement appropriate **technical solutions** and modifications, ensuring data integrity
- Extensive experience in **system administration**, **business analysis**, and **programming support**, working with **ERP systems** and optimizing data storage and retrieval systems using **key-family column-value databases** and Python-based solutions.
- Expertise in **SQL Server**, **database maintenance**, and **security**, ensuring user access and system security for critical applications.
- Skilled in interpreting complex data sets, using **SQL reporting tools** like **Microsoft SQL Server Management Studio** and **data extraction** tools for **ERP systems**.
- Knowledgeable in **UNIX/Windows systems** and proficient in **modifying existing programs** to enhance functionality according to business needs.

SIGNATURE STRENGTHS:

- Machine Learning | System Administration | Business Analysis | Software Engineering | Deep Learning | Optimization
- Database Management | ERP Systems | Data Mining | Systems Design | Cloud Computing & Infrastructure
- SQL Reporting | Universe Design | Security & User Access | Data Integration | SAP Business Objects

ANALYTICAL/TECHNICAL EXPERTISE:

ANALYSIS/COMPUTATION/DESIGN:

- Pandas, Scikit-learn, TensorFlow, PyTorch, MATLAB, Maple, Tableau, Spark, Apache Hive, PowerBI, SAS, NumPy, Matplotlib, SciPy, Simulink, ScaLAPACK, FlexPro, SPSS

LANGUAGES:

- Python, R, Java, GO, C#, Visual Basic, PHP, Python, Ruby, **SQL**, Bash, Shell Scripting, Swift

WEB:

- Node.js, JavaScript(React & Angular), Django, Flask, RESTful APIs, HTML, HTML5, CSS

APPLICATIONS:

- **MySQL, SQL Server, AWS (EC2, S3, Lambda), Docker, Kubernetes, Git, Postgres, SAP Business Objects**, Salesforce, Oracle, Google Docs, Microsoft Office, Microsoft Project

EDUCATION:

Master of Science in Data Science   Expected: December 2025
Lewis University, Romeoville, IL   GPA: 3.57/4.0
Concentration: Data Engineering

Bachelor of Science in Computer Science   May 2023
Lewis University, Romeoville, IL
Majors: Computer Science
Concentration: Software Engineering

- **Senior Capstone Research Project:**
  Developing an Interactive Adoption & Resources Platform for Local Dog Shelters

PROFESSIONAL EXPERIENCE:

Nursing Lab Assistant   March 2024 – Present
Joliet Junior College, Joliet, IL
- Automate data processing tasks, enhancing consistency and accuracy in **SQL-based Excel workbooks**, reducing manual entry by 30%.
- Standardize and process class rosters each semester, boosting data integration efficiency by 40%.
- **Maintain application system security**, ensuring proper user access and performing **database administration** for user records.
- Develop **VBA scripts** to configure and optimize laptops, reducing setup time and enhancing device performance for over 50 units.
- **Populate and maintain dedicated databases** for application integration with **ERP systems** using **SQL Server**.

Graduate Assistant   January 2024 – Present
Lewis University, Romeoville, IL
- Assist with courses in **Software Engineering** and **Computer Programming**, providing technical support and contributing to systems administration tasks within the **Linux/UNIX** environments.
- Manage class **SQL-based projects**, ensuring proper **database design** and implementation, while optimizing **data retrieval processes**.

Research Assistant (Student Worker)   Summer 2020
Lewis University, Romeoville, IL (Remote)
- Designed and developed a Python-based lane departure warning system, incorporating advanced data extraction and real-time video analysis techniques.
- Independently led the project from concept to completion, utilizing systems integration knowledge to ensure seamless implementation.

Manager   September 2018 – June 2020
Kory McDonald's, Shorewood, IL
- Managed and supervised kitchen staff, ensuring **system integration** between inventory management tools and **data reporting systems**.
- Monitored inventory levels, ordered supplies, and maintained cleanliness and organization of the kitchen and storage areas.
- Collaborated with other managers to ensure a seamless dining experience for customers.
- Ensured compliance with health and safety regulations, conducting regular inspections and implementing necessary changes.

HONORS, ACTIVITIES AND VOLUNTEER EXPERIENCE:
- Deans' List, Lewis University, Fall 2022.

PROFESSIONAL ASSOCIATIONS:
- Member, National Society of Black Engineers, Jan 2024 – Present

LANGUAGE SKILLS:
- Fluent in Spanish
- Semi-fluent in French