Sidney (Sid) Lim

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SUMMARY

Results-oriented Data Engineer and Project Lead with hands-on experience in developing, maintaining, and managing data-intensive applications. Proficient in building ETL/ELT pipelines using Python and SQL on AWS GovCloud hosted systems. Successfully led development of foundational & authoritative data products being used as a foundational source across DoD organizations.

EXPERIENCE

Data Product Lead   June 2025 – Present
UNCOMN - Full Time   *Scott Air Force Base, IL*
- Leading development for Data as a Product and Data as a Service; creating the official standard process for development on a Department wide scale.
- Created the Standard Operating Procedure Documentation for the Data as a Product Development Process
- Facilitate meetings between cross-functional teams to understand business transformations and end user requirements
- Facilitate Agile/Scrum Sprint Retrospective and Planning meetings to better plan future sprints
- Successfully implemented medallion architecture within existing and future data pipelines
- Implemented Data Governance VAULTIS Framework (Visible, Accessible, Understandable, Linked, Trusted, Interoperable, Secure) to all relevant data products

Data Engineer   May 2024 – Present
UNCOMN - Full Time   *Scott Air Force Base, IL*
- Transformed complex data using SQL and Python into structured formats that directly supported business intelligence needs across the Joint Petroleum Enterprise (JPE)
- Designed and maintained scalable data pipelines in Databricks for analytics workflows, ensuring consistent data delivery to stakeholders using ETL/ELT principles
- Developed automated reporting workflows with Qlik Sense that streamlined sentiment analysis processing, increasing throughput by 40%
- Successfully delivered five Data as a Product (DaaP) deliverables to key stakeholders beyond the JPE allowing external agencies/departments to adopt a standard for data
- Successfully implemented CI/CD workflows across all GBFMD data-related projects through GitLab Enterprise and Databricks integration.
- Created Databricks utility notebooks to streamline API specification YAMLs for the creation of secure API Endpoints
- Creation and maintenance of various Databricks DAG pipelines for best data governance practices ensuring VAULTIS principles
- Experience with AWS Bedrock, EC2, Lambda, Kubernetes, and Knowledge Bases for Cloud-based AI solutions

Data Scientist Intern   Jan. 2024 – May 2024
UNCOMN - Internship   *O'Fallon, IL*
- Built and optimized SQL queries for data extraction and transformation across various database platforms
- Developed data visualization dashboards for improved stakeholder communication and data-driven decision making

EDUCATION

Southern Illinois University Edwardsville   May, 2024
Bachelor of Science: Computer Management and Information Systems   *Edwardsville, IL*
- 3.5/4.0 Cumulative GPA
- Fall 2020, Fall 2021, Spring 2022, Fall 2023, Spring 2024 Dean's List
- Johnetta-Haley Scholarship Recipient

CERTIFICATIONS

- Databricks Certified Data Engineer Associate (2025)
- Databricks Certified Generative AI Engineer Associate (2025)