

# Sidney (Sid) Lim

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## SUMMARY

Detail-oriented Data Engineer with hands-on experience in ETL/ELT processes and a strong foundation in data management systems. Currently holding a Secret clearance and bringing practical expertise in the complete data engineering lifecycle, from pipeline development to optimization. Demonstrated success in implementing automated data workflows within Databricks and collaborating with cross-functional teams to deliver data-driven solutions that drive business outcomes.

## EXPERIENCE

<b>Data Engineer</b> <i>UNCOMN - Full Time</i>	<b>May 2024 – Present</b> <i>Scott Air Force Base, IL</i>
<ul style="list-style-type: none"><li>Designed and maintained scalable data pipelines for analysis workflows, ensuring consistent data delivery to stakeholders</li><li>Developed automated workflows to streamline sentiment analysis processing, increasing throughput by 40%</li><li>Implemented batch processing within Databricks environment for improved query performance and cost efficiency</li><li>Created comprehensive database monitoring system by leveraging existing pipelines and implementing validation checks</li><li>Collaborated with analytics teams to transform raw data into structured formats that support business intelligence needs</li></ul>	
<b>Data Scientist Intern</b> <i>UNCOMN - Internship</i>	<b>Jan. 2024 – May 2024</b> <i>O'Fallon, IL</i>
<ul style="list-style-type: none"><li>Built and optimized SQL queries for data extraction and transformation across various database platforms</li><li>Developed Python scripts for data validation, cleaning, and transformation to ensure data quality and consistency</li><li>Assisted in redesigning ETL processes to improve performance and reliability of data workflows</li><li>Conducted technical evaluation of large language models to assess integration potential with existing data infrastructure</li></ul>	
<b>CMIS 470 – Senior Systems Project - Generative AI &amp; LLMs</b> <i>Senior Capstone Course @ Southern Illinois University Edwardsville</i>	<b>Jan. 2024 – May 2024</b> <i>Edwardsville, IL</i>
<ul style="list-style-type: none"><li>Designed and implemented data architecture for LLM integration within AWS environment</li><li>Worked within Agile/Scrum framework with 2-week sprints to deliver incremental project milestones</li><li>Collaborated with business stakeholders to translate requirements into technical specifications</li></ul>	
<b>CMIS 427 – Security and Analytics</b> <i>Cybersecurity Elective @ Southern Illinois University Edwardsville</i>	<b>Aug. 2023 – Dec. 2023</b> <i>Edwardsville, IL</i>
<ul style="list-style-type: none"><li>Designed analytical data models to identify patterns and anomalies in security datasets</li><li>Created interactive visualizations to effectively communicate complex security metrics to stakeholders</li><li>Employed statistical analysis techniques to transform raw security data into actionable insights</li></ul>	

## TECHNICAL SKILLS

<ul style="list-style-type: none"><li><b>Data Engineering Tools:</b> SQL, Python, Databricks, ETL/ELT principles, Data Modeling</li><li><b>Cloud &amp; Infrastructure:</b> AWS S3, Data Lake concepts, Infrastructure as Code principles</li><li><b>Visualization &amp; Analytics:</b> Qlik Sense, Tableau, Power BI, Pandas, Interactive Python DataFrames</li><li><b>Development Practices:</b> Agile methodology, SDLC, GitHub/GitLab Version Control</li><li><b>Professional Skills:</b> Critical Thinking, Problem Solving, Team Collaboration, Stakeholder Communication, Detail-oriented Analysis</li><li><b>Security Clearance:</b> Active Secret Level Security Clearance</li></ul>	
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## EDUCATION

<b>Southern Illinois University Edwardsville</b> <i>Bachelor of Science: Computer and Management Information Systems</i> <i>Edwardsville, IL</i>	<b>May, 2024</b>
<ul style="list-style-type: none"><li>3.5/4.0 Cumulative GPA</li><li>Fall 2020, Fall 2021, Spring 2022, Fall 2023, Spring 2024 Dean's List</li><li>Johnetta-Haley Scholarship Recipient</li></ul>	