

# Clifford Alexander Lee

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## Software Engineer

Result-driven software engineer with a strong background in designing and implementing enterprise-level applications. Specialized in developing and supporting backend systems with an emphasis on efficiency, performance, and automation. Enjoys solving difficult problems and has most experience working on AI, Privacy and Cloud Infrastructure teams at large companies.

### WORK EXPERIENCE

#### Snowflake

August 2025 – Current

Menlo Park, CA

*Software Engineer (Query Language and Compilers)*

- Introduced new security framework within SQL Language, which when using SECURE keyword, redacts sensitive information across all possible avenues of leakage (query text, ddls, plans, etc.)
- Implemented language features for Interactive Tables (used for real-time use cases) - including but not limited to SHOW (INTERACTIVE) TABLES and ALTER (INTERACTIVE) TABLES
- Added new feature for Strict Type Enforcement in DML, which optionally ensures DML operations, like INSERT INTO, will throw an error if there is a data mismatch would cast and lose information (ie float 10.1 → int 10)

#### Meta

August 2022 – July 2024

Menlo Park, CA

*Software Engineer (AI Infrastructure)*

- Created the AI Publish Time Model Enforcement Framework (Python and PHP) which tracked all AI models using sensitive data when publishing on the company's main ML pipeline, and caught models not meeting FTC guidelines, increasing compliance metrics by 15%.
- Implemented the AI Privacy Review Task Handler (Python and Java), which detected and dealt out tasks to model owners that did not complete important privacy tasks, removing duplicates from the system and streamlining the review process.
- Built a fullstack service to manage, detect and efficiently delete sensitive AI Assets. Encompassed all key AI data storage systems to decrease wasteful storage, notifying and allowing ML Engineers to quickly identify and fix these holes across the company's AI Space.

#### Facebook

August 2021 – November 2021

Menlo Park, CA

*Software Engineering Intern (Reality Labs)*

- Created a Machine Learning and Computer Vision project for Portal (using Android and Kotlin frameworks) which improved detection rate of hands and hand motions
- Improved cropping detection of faces to ensure they faced forward in the Portal Smart Camera.

#### Microsoft

May 2021 – August 2021

Seattle, WA

*Software Engineering Intern (Azure)*

- Produced a machine learning model using AzureML and Databricks to predict the time various buildout tasks take to complete, used to estimate total time of task lists for customers
- Integrated Azure Databricks notebooks with Cloud Capacity systems for real-time analytics of key tasks.

### EDUCATION

#### University of Texas at Austin

Austin, TX

*Master's in Artificial Intelligence*

August 2025 – Current

#### Cornell University

Ithaca, NY

*Bachelors in Computer Science*

Aug. 2018 – May 2022

### TECHNICAL SKILLS

**Languages:** Java, SQL, Python, PHP, C/C++, OCaml, MATLAB, JavaScript, HTML/CSS, R, Scala, Go, Kotlin

**Frameworks:** Hive, Presto, React, HackLang, Android, Node.js, OpenGL, Kubernetes, LibGDX, Spark, PyTorch

**Developer Tools/Products:** Snowflake, Git, Firebase, Heroku, VS Code, IntelliJ, Azure Machine Learning, Databricks