

# Temi Oloyede

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## Experience

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Sep 2023 – Present

### Box Inc.

Software Engineer – Box AI Infra

Redwood City, CA

- Designed and built core infrastructure powering Box AI (RAG pipelines, vector search, and agent orchestration systems)
- Led development of distributed tracing across LLM providers (OpenAI, Vertex AI, Azure), enabling end-to-end latency visibility and debugging
- Designed and implemented enterprise-grade AI governance and reporting systems to support compliance (e.g., auditability, permissions enforcement)
- Improved scalability and reliability of production AI systems serving enterprise customers
- Led cross-functional efforts across ML, infrastructure, and product teams to deliver scalable AI platform capabilities

Aug 2021 – Feb 2023

### Meta

Software Engineer – AI Infra

Seattle, WA

- Worked on the team building Meta's preferred Feature Framework, the F3 Compiler
- Completed technical design on projects, carefully considering requirements, and taking feedback from multiple stakeholders
- Delivered projects building privacy enforcement into the feature compiler stack, both at feature compilation and at feature serving, simplifying the process of feature and model privacy compliance to numerous privacy regulations
- Provided seamless feature authoring experience with User Defined Functions (UDF) by improving documentation, answering questions of feature developers, and identifying ways to improve the UDF system
- Brainstormed, defined, and developed metrics to help track privacy compliance within the feature framework

Aug 2019 – Aug 2021

### Meta

ML Generalist – Search

Seattle, WA

- Worked on highly impactful information retrieval and ranking projects to improve social and textual relevance of search results and groups recommendations.
- Trained, monitored and evaluated models for model freshness and quality
- Created and maintained efficient model training data pipelines
- Drove over 250k new daily active groups users on Facebook, 7M revenue increase from improved events search and 33% of the app core session gains driven from Search over 6 months, as well as perf and capacity improvements
- Generated and tested product hypothesis using A/B testing
- Performed opportunity analysis to determine product development focus on Facebook Community, Social and Events Search product and drove wins from findings

May 2018 – Aug 2018

### Meta

Software Engineering Intern – Database Infra

Seattle, WA

- Designed, built, and maintained a highly-performant, memory-efficient data pipeline in C++
- Worked directly with key stakeholders and potential customers to understand their needs

- May 2017 – Aug 2017      **Meta**  
Software Engineering Intern – Location Infra      Cambridge, MA
- Designed, built and tested high quality Location-based features on a proprietary Android application
- Jun 2016 – Aug 2016      **Meta**  
Facebook University Intern      Menlo Park, CA
- Designed and built an advanced Android application that allows users to create location-based events and receive location-based notifications using Android Studio

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## Education

- 2019      **Howard University**  
BS in Computer Science      Washington, DC  
Honors: Summa Cum Laude

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## Publications

- Adelani, D. I., Abbott, J., Neubig, G., ..., **Oloyede, T.**, ... & Osei, S. "MasakhaNER: Named Entity Recognition for African Languages" *Transactions of the Association for Computational Linguistics 2021*

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## Skills

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|--------------------------|---|
| AI & Machine Learning    | RAG pipelines, Vector Search, LLM systems   |
| Programming Languages    | Python, C/C++, Java, SQL  |
| Infrastructure & Systems | Distributed Systems, Kubernetes, Airflow, Azure, Google Cloud, CI/CD              |
| Technical Leadership     | Technical Design, Cross-functional collaboration, Performance & Capacity analysis |

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## Awards

- Howard Capstone Scholarship Recipient (2015)
- Greif Scholarship Recipient (2015)
- Brenda Lawson Scholarship Recipient (2018)

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## Service Experience

- Apr 2026      **Code and Capital Hackathon**  
Mentor      Oakland, CA
- Mentored early-stage teams on problem selection, technical design, and MVP scoping in a competitive hackathon environment
- Nov 2018 – Aug 2019      **Girls Who Code WOL Chapter**  
Facilitator      Washington, DC
- Designed curriculum and led technology activities including web, python and Arduino development for about 10 middle school girls
- Aug 2018 – May 2019      **IEEE Howard Chapter**  
Volunteer Coordinator      Washington, DC
- Organized and coordinated volunteer events to help Howard IEEE members give back to the DC community.