

Contact

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Top Skills

Text-to-Speech
Feature Engineering
Data Visualization

Certifications

Enterprise Design Thinking
Practitioner
Agentic AI Development
Microcredential
Claude 101
AI Fluency: Framework &
Foundations

Hiyaw Ertiro

Analytics Engineering Intern @ M&S | Extern @ Paychex |
Honors Comp-Sci Student @ GCU | Campus Leader @ AWS | 1x
Hackathon Winner | Student in the School of Christ | ColorStack
Phoenix, Arizona, United States

Summary

Disciple of Jesus †I'm a Senior Computer Science student at Grand Canyon University specializing in Big Data Analytics. I build data pipelines and ML systems end-to-end — from raw ingestion and transformation through modeling, evaluation, and the dashboards and APIs that put data in front of decision-makers. My work spans engineering SQL reporting pipelines against production databases, building batch ML pipelines with orchestration and warehouse architecture, deploying trained models as inference endpoints, and extracting structured data from messy, unstructured sources at scale. Core stack: Python, SQL, PyTorch, and cloud data infrastructure (AWS, Azure, Snowflake, Airflow, dbt). Outside of work: boxing, weightlifting, chess, and guitar. Open to Forward Deployed Engineer, AI/ML Engineer, and Data Engineer roles starting Spring 2027.

Experience

Paychex

Applied AI Engineering Extern
September 2026 - Present (1 month)
Phoenix, AZ

Building an AI-powered decision-support system for engineering leadership at a Fortune 500 HR-tech company as part of a sponsored university capstone. The system correlates signals across customer feedback, CI/CD pipelines, quality and security tooling, and operational monitoring to surface ranked improvement recommendations with impact scores, ROI estimates, and links to supporting evidence. Stakeholders can adjust prioritization weights across factors like customer impact, capacity creation, and risk reduction and see rankings recalculate without code changes. Designed for on-demand execution with a path toward scheduled and continuous operation.

Extern

Extern, Pfizer

August 2026 - Present (2 months)

- Built AI pipelines to process pharmaceutical vendor files using OCR (Tesseract, PaddleOCR) and RAG for data extraction and classification.
- Developed a RAG-based document retrieval system with LlamaIndex, optimized with chunk tuning and open-source LLMs
- Conducted end-to-end evaluation of the document intelligence system, benchmarking OCR accuracy, RAG retrieval quality, and routing performance. Delivered a technical report outlining model trade-offs, optimization strategies, final deployment recommendations, and built a UI for demo purposes.

Michael and Son Services

Analytics Engineering Intern

May 2026 - Present (5 months)

Alexandria, VA

- I built complex SQL reporting pipelines against field service management platforms (ServiceTitan, Salesforce) using SSMS and Azure SQL
- I designed and validated KPI methodology, replicating native platform metrics against a nightly SQL replica for cross-platform reporting consistency
- I built technician performance and operational dashboards in Tableau connected to live data infrastructure
- I assisted with cloud database migration from on-premises to Azure
- I built an XGBoost regression model to predict daily inbound demand, achieving 86.8% accuracy, to support call center staffing decisions
- I am building AI-powered reporting automation using large language models to reduce manual analysis overhead
- I own end-to-end data work across the stack, from raw schema and query logic to finished business-facing visualizations

Lopes Leetcode

Co-Founder & Vice President

April 2026 - Present (6 months)

Phoenix, Arizona, United States

- Co-founded a peer-led technical interview preparation club for tech students, building the program structure, session format, and member onboarding from the ground up
- Organize and lead bi-weekly problem-solving sessions focused on algorithms, data structures, and common coding interview patterns across arrays, trees, graphs, and dynamic programming

- Cultivate a collaborative learning environment where members present and defend their solutions, strengthening both technical problem-solving and the ability to communicate complex logic clearly
- Drive member readiness for technical interviews at top-tier technology companies by simulating real whiteboard-style walkthroughs and peer code review

Wasserman Next Gen

AWS Student Builder Campus Leader

March 2026 - Present (7 months)

Phoenix, Arizona, United States

- Represent AWS on campus through peer-to-peer outreach, targeting 500+ AWS Builder Center signups across a 12-week program cycle.
- Deliver presentations and live demos to student organizations showcasing AWS tools and cloud career opportunities.
- Host tabling events and publish educational content on the AWS Builder Center platform.
- Produce 24 pieces of social media content driving brand awareness and student engagement.
- Submit weekly activity reports and participate in monthly AWS leadership calls.

Grand Canyon University

Student Leader - Resident Associate

August 2025 - Present (1 year 2 months)

Phoenix, Arizona, United States

- Community Engagement: Cultivate a supportive residential environment by initiating consistent, meaningful interactions with a diverse resident population to foster belonging and retention.
- Event Coordination: Organize and execute community-building activities based on resident interests, ranging from athletic sessions to collaborative study groups.
- Conflict Resolution & Peer Support: Serve as a primary resource for residents, navigating social barriers and interpersonal conflicts to maintain a cohesive living environment.

Bright Path Facility

Behavioral Health Technician

August 2025 - Present (1 year 2 months)

Phoenix, Arizona, United States

- Crisis Management & De-escalation: Manage high-risk interpersonal conflicts and emergency situations in a high-volume facility, maintaining operational safety protocols under pressure.
- Regulatory Documentation: execute strict data entry and reporting procedures in compliance with federal healthcare privacy laws (HIPAA), ensuring 100% accuracy in sensitive records.
- Team Coordination: Coordinate shift hand-offs and incident reporting with multidisciplinary teams to ensure continuity of care operations.

Argonne Leadership Computing Facility
HPC Bootcamp Participant — Distributed LLM Training
August 2026 - August 2026 (1 month)
Chicago, IL

- Selected to participate in Argonne National Laboratory's Intro to HPC Bootcamp, a competitive program training students in high-performance computing, distributed systems, and AI at scale
- Built and executed an end-to-end distributed training workflow for a transformer-based language model on NERSC's Perlmutter supercomputer
- Progressed from single-device training to multi-process distributed execution, working with tokenization, gradient synchronization across devices, checkpointing, mixed-precision training, and throughput analysis using PyTorch and Slurm
- Toured the Argonne Leadership Computing Facility, including Aurora, one of the world's first exascale supercomputers
- Delivered a presentation on project findings and distributed training results to bootcamp participants and Argonne research staff

Grand Canyon Education, Inc.
Program Development Specialist Intern
October 2024 - August 2025 (11 months)
Phoenix, Arizona, United States

- Led campus tours, providing prospective students with insights into campus life and facilities.
- Delivered presentations on the College of Engineering and Technology
- Came up with ideas for Social Media, Recorded and Edited social media content

- Called over 100 prospective students a week to guide them in the admissions process

Grand Canyon University
Student Leader - Global Outreach
October 2024 - May 2025 (8 months)
Phoenix, Arizona, United States

As a Leader for Camp Flourish, a VBS-style kids ministry, I helped bring the gospel to life for children in immigrant apartment communities around Phoenix. We led Bible stories, skits, games, and activities designed to teach kids about Jesus in fun, engaging ways. I helped create a safe and joyful environment where kids felt seen, loved, and excited to learn about their faith. I also contributed to improving the structure and impact of the outreach through creative planning and teamwork.

Harbert Hills Nursing Home
General Worker
September 2022 - May 2024 (1 year 9 months)
Savannah, Tennessee, United States

Performed housekeeping, front desk reception, kitchen prep and stocking, agricultural maintenance, and construction support across facility operations.

Operated across multiple departments simultaneously, adapting to daily staffing and operational needs.

Education

Grand Canyon University
Bachelor of Applied Science - BASc, Computer Science · (September 2024 - April 2027)

Harbert Hills Academy
High School Diploma · (August 2022 - May 2024)

CodePath
Other, Applied AI Engineering · (August 2026)