

Garrett Meldrum

[Portfolio](#) | [LinkedIn](#) | [Github](#) | GarrettMeldrum@icloud.com

TECHNICAL SKILLS

Programming: Java, Python, SQL, JavaScript, and Typescript

Environments and Platforms: Linux, Git, AWS, Azure, Power BI, Tableau, and Excel

Frameworks and Libraries: React, Next.js, Selenium, Flask, Fast API, Pandas, Matplotlib

PROJECTS

Portfolio Website | React, Next.js, TypeScript — Portfolio website to host projects, spotify dashboard, and mountaineering blogs.

Spotify Dashboard and API | Python (Flask), SQL, APIs — Utilizing the Spotify API, storing listening history to run analytics and hosted to a live dashboard on my personal website.

2048 the Game | Python — Recreation of the game 2048 in Python utilizing object-oriented principles.

Matcha Purchasing Bots | Python (Selenium), Linux — Automates purchases of matcha using scheduled bots.

EDUCATION & CERTIFICATES

Oklahoma State University | *Stillwater, Oklahoma*

May 2023

Bachelor of Science in Finance with a minor in Economics and Energy Finance.

Data Structures and Algorithms | Georgia Institute of Technology

Implemented AVL trees, heaps, hash maps, and graphs using Java; focused on sorting and pattern matching.

Intro to Object-Oriented Programming with Java | *Georgia Institute of Technology*

Applied inheritance, polymorphism, and encapsulation principles to build Java applications from scratch.

Certified Cloud Practitioner | *Amazon Web Services*

SQL (Basic, Intermediate, and Advanced), Python, and Java Certificates | *HackerRank*

WORK EXPERIENCES

Denver Public Schools

Senior Financial Analyst

Apr 2025 - Present

Financial Analyst

May 2023 - Apr 2025

- Manage \$18M+ in state and federal grants across 6+ active awards with a 100% audit pass rate, maintaining spend-down within 2% of targets and ensuring full federal and state compliance.
- Developed and automated a district-wide FTE reporting system tracking 16,000+ positions, incorporating interactive visualizations and risk forecasting delivered monthly to the CFO and Board of Education.
- Built and maintain an automated salary forecasting model for all grants and developed Title comparability models ensuring equitable allocation of federal funds across 220+ schools.
- Created Python and JavaScript automation workflows including Selenium-based Title budget uploads processing 10,000+ budget lines annually, reducing manual effort by 75+ hours per month.
- Designed, built, and maintain the Grants Administration website across 8+ pages, improving funding accessibility and usability for district stakeholders.

Center for Local Government Technology, Oklahoma State University

Data Analyst

May 2022 - May 2023

- Led data projects for government entities, managing on-site data collection, designing data structures, and delivering analytics dashboards that improved accessibility and stakeholder decision-making.
- Developed Python scripts to digitize physical records and utilized SQL to transform and maintain data tables, streamlining retrieval workflows and significantly reducing data access times.

Contango Oil and Gas

Data Analyst Intern

Aug 2021 - Dec 2021

- Processed and analyzed thousands of invoices and oil well production records for the accounting team, ensuring accurate billing, compliance with industry standards, and timely financial reporting.
- Cross-referenced 1,000+ oil wells to calculate billing amounts for thousands of owners, leveraging Excel and Python to improve data accuracy and streamline processing workflows.