

Halle Gray

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Portfolio: <https://www.halle-gray-portfolio.org/> | LinkedIn: <https://www.linkedin.com/in/hallewgray/>

EDUCATION

Texas A&M University | College Station, Texas

Bachelor of Statistics - Minor in Business | May 2027

EXPERIENCE

Fannie Mae | Dallas, TX

Risk Analyst Intern | June 2026 – August 2026

- Optimized an AI-powered GPT document review system, increasing **GPT accuracy to over 90%** through prompt engineering and validation.
- Developed **4 Power BI dashboards** analyzing underwriting risk, document-review outcomes, and model performance across document types.
- Automated pre/post-edit performance reporting to measure impact of prompt engineering and model updates.
- Built diagnostic dashboards identifying high-frequency document errors to prioritize GPT model improvements.

High Performance Research Computing | College Station, TX

Student Research Coordinator | Nov 2024 – Present

- Coordinate logistics for **200+ participants** across **8 national research workshops and conferences**.
- Co-authored **8 peer-reviewed conference publications** and presented research at **5 national conferences**.
- Supported data-driven insights that improve collaboration and operational efficiency across high-performance computing programs.

SKILLS

Data & Programming – Python, R, Excel, Java, SQL, Power BI (DAX), Prompt Engineering

Analysis & Research – Regression Analysis, Statistical Modeling, Data Visualization

Operations & Leadership – Strategic Planning, Project Management, Event Coordination

PROJECTS & PUBLICATIONS

Projects

Supply Chain Health & Supplier Risk Analysis | Power BI, Advanced DAX, Power Query

- Built a tracking system linking procurement lead times to identify stockout risks for **high revenue items**.
- Developed automated DAX logic for real-time **ABC analysis** and **EOQ calculations**.
- Designed a prescriptive dashboard enabling supplier audits and order prioritization, eliminating **manual data prep**.

SKU Rationalization & Revenue Analysis | Power BI, Pareto Analysis

- Conducted a Pareto (80/20) Analysis across **7,000+ SKUs** to identify key revenue drivers and long-tail inefficiencies.
- Found **27.6% of SKUs** generated most of **\$78.5M revenue**, recommended a **15% SKU reduction** to cut overhead.
- Flagged **5,000+ low-return SKUs (72.4% of the catalog)**, highlighting excess storage costs and operational complexity.

Publications

- *Exploring the Role of Academics, Research and Workforce Development in Establishing Research Computing Collaborations* – **PEARC Conference 2025**.
- *Teaching Parallel Computing to K-12 Students: A Tactile-Based Approach Using Single-Board Computers* – **FIE Conference 2026**
- *A Program for Providing Accelerated Cybertraining for Emerging Scientists* – **PEARC Conference 2026**