

Halle Gray

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

EDUCATION

Texas A&M University, College Station, Texas

Bachelor of Statistics - Minor in Business | May 2027

EXPERIENCE

Texas A&M University – High Performance Research Computing | College Station, TX

Student Research Coordinator | Nov 2024 – Present

- Coordinate logistics for 8+ multi-day national research workshops and conferences.
- Presented findings at 5 national conferences, translating research into actionable strategies.
- Support data-driven initiatives that enhance collaboration among research computing teams.

Aggie Belles – Women’s Organization | College Station, TX

Service Chair | Sept 2024 – Present

- Lead service programming for 70+ members and 15+ partner organizations, fostering campus and community engagement.
- Oversee service budget and hour tracking to maintain 100% organizational compliance.

Freshmen Radiating Eagerness in Serving Humanity | College Station, TX

External Committee Staff | Sept 2024 – April 2026

- Coordinate professional development and service opportunities for a 61-member cohort
- Facilitate cross-organizational collaboration and oversaw sub-committees to execute large-scale service events.

SKILLS

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

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

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

RESEARCH

Publications

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

Projects

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

- Built a tracking system linking procurement lead times with sales velocity 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.