

Barbara D. Morrison

SUMMARY

Junior Data Analyst with a background in teaching math and science and quality control auditing in an electronic manufacturing environment. Experience in communicating with engineering and manufacturing personnel to solve quality issues.

DATA ANALYSIS PROJECTS

Flu Season Staffing Needs

- Determined the months and the U.S. hospital locations that needed temporary medical staff for the upcoming flu season
- Analyzed datasets to find trends, relationships and insights
- Created Tableau dashboard for presentation to stakeholders
- Forecasting

Rockbuster Online Movie Rental Marketing Strategy

- Loaded data into relational database management system
- Created a data dictionary with ERD
- Used SQL to write queries, subqueries and CTEs
- Made recommendations for marketing strategy

Instacart Customer Analysis

- Compared customers purchasing behaviors
- Joined 5 datasets to interpret data

WORK EXPERIENCE

Lamar State College Orange – Orange, TX

Gator Success Center Specialist- July '16 – Dec '23

- Tutored Statistics, math, Chemistry, Anatomy & Physiology;
- Developed visual aids; If students regularly attended my study sessions, they typically raised their grades ½ to a full letter grade higher than when they started
- 6 years of above-average performance reviews

Flextronics – Austin, TX

Quality Control Auditor- Oct '03 – Aug '13 & Sep '97 – May'00

- Designed interactive Excel worksheets to aid the auditors when auditing processes and inspecting boards; saved auditors time
- Helped find quality problems with motherboard assembly; Communicated with engineers and manufacturing personnel to help solve problems

Applied Materials – Austin, TX

Industrial Engineer- Jun '00 – Apr '01

- Made configurations to packaging database to facilitate the kitting and shipping of parts to the customer; Analyzed the annual configuration changes and presented the significant data in graphical form

Orange, TX

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[linkedin.com/in/algebragirl](https://www.linkedin.com/in/algebragirl)

Tools & Skills

Microsoft Office (Excel)

Tableau

Statistical Hypothesis Testing

Data integration & transformation

SQL, Tableau

Lucid for ERD

Joining tables

Python/Jupyter notebook

Visualization with Python

Data Cleaning

Descriptive Analysis

Scatterplots and Regression Line

Cluster Analysis

Time Analysis

Certificates

Data Analytics Immersion

CareerFoundry

Jan 2024 – Jan 2025

Certified ISO9000 Internal Auditor

ASQ Certified AC Technician

Teaching Certificates:

Math & Phys Science: Gr 6-12

Education

Texas A&M University

College Station, TX

B.S. in Bioengineering; 1992