

Shayna Gaulden

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Education

MS in Data Science,

San Jose State University | San Jose, CA

June 2023

BS in Applied Mathematics with a focus on Statistics,

San Jose State University | San Jose, CA

June 2021

Technical Skills

Programming Languages: Python (NumPy, Pandas, Matplotlib, Scikit-Learn), R, Java, HTML, SQL, MATLAB

Database: SQL (MySQL, SQLite), MongoDB, Cassandra

Analytical Techniques: Machine Learning (Clustering, Classification, Regression, Dimension Reduction), Probability, Statistics

Miscellaneous: Excel, Microsoft Office, PowerPoint

Work Experience

Flex Interconnect Technologies | Milpitas, CA

Feb 2020 – April 2021

Solution Provider

- Consulted with industry professionals to research best designs for experiments I designed and carried out on the manufacturing floor.
- Recorded results and analyzed data in R from experiments to draw conclusions and offer insight to the company which resulted in 4 major customers staying with our company.

Menlo Security | Palo Alto, CA

Aug 2017 – Aug 2019

Manual Quality Assurance Tester

- Tested front-end of new analytics feature from start to launch reporting just under 200 major and minor issues.
- Cooperated with developers one-on-one and in team settings to resolve over 500 bugs.
- Gave presentations to coworkers to train them on new product features.

Project Experience

Google Play Store App Analysis

MATLAB | Exploratory data visualization project using some dimension reduction techniques to see if there were distinct groupings that could be found of games on the Google Play App Store.

Evolution of Social Networks in Space and Time

PYTHON | Research project sponsored by NSF PUMP program. Created a program for hypothesized assumptions and formulas to see visually what types of population graphs would emerge and how these graphs would evolve through many iterations of birth and death processes.