Shayna Gaulden

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Education

MS in Data Science,
San Jose State University | San Jose, CA June 2023

- **Courses:** Data Visualization, Statistical & Machine Learning Classification, Intro to Artificial Intelligence, Regression Theory, Intro to Database Management Systems, NoSQL

BS in Applied Mathematics with a focus on Statistics,
San Jose State University | San Jose, CA June 2021

- **Courses:** Data Structures & Algorithms, Mathematical Statistics, Python and SQL, Probability Theory, R Programming, Math Modeling, Numerical Analysis for Scientific Computations

Technical Skills

Programming Languages: Python (NumPy, Pandas, Matplotlib, Scikit-Learn), MATLAB, R, Java, HTML, SQL
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 support data driven decisions that resulted in changes to 3 different product processes.
- Trained team members on LEAN manufacturing.

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 | May 2022 | SJSU Project
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 | May 2021 | NSF PUMP Project
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.