

Education

San José State University - San José, California

- B.S., Data Science | GPA: 3.9 | Aug 2023 - May 2025

College of the Sequoias - Visalia, California

- A.S., Computer Science for Transfer | GPA: 4.0 | Aug 2021 - May 2023
- A.S., Physics for Transfer

Skills

Programming: Python, SQL, C, C++, Java, R

Testing & Data Tools: MySQL, JMP, Google App Engine, Dash, Plotly

Data & ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow

Hardware Troubleshooting & QA:

- VR/AR prototype device setup, configuration, and troubleshooting
- Bug reproduction, root-cause isolation, and issue documentation
- Writing structured bug reports and logging defects for engineering teams
- Cross-functional communication with engineers and QA teams
- Research protocol compliance and data integrity validation

Experience

Collection Operations Technician/Data Quality Analyst, Experis @ Meta Nov 2025 - Present

- Performed structured device testing and user workflow validation in XR research project.
- Performed device validation and firmware checks using PowerShell and macOS CLI tools; reproduced and isolated hardware–software defects, verified data integrity.
- Document bugs with detailed reproduction steps, system conditions to support rapid resolution.
- Collaborate with cross-functional engineers to refine XR research protocol.
- Ensured collected datasets met quality thresholds thru systematic QA review and protocol enforcement.
- Maintain strict handling procedures for prototype hardware and sensitive research data.

Squad Leader | Logistics & Communications Operations @ U.S. Army Nov 2015 - Mar 2019

- Served in Armed Brigade forward support company, Led two squads responsible for heavy equipment maintenance, supply-line transport, and convoy route planning in high-tempo environments.
- Managed and safeguarded sensitive items (radio, JCR) requiring secret clearance and strict operational protocols. Maintained accountability of controlled equipment and encryption keys.

Academic Projects

Auction and Marketplace System

- Designed normalized MySQL schema (BCNF, indexing, triggers) and developed a full-stack Node.js/React application supporting auctions, transactions, and user management.

Business Trends & Market Analysis

- Processed 1.5M+ records in Python; applied survival analysis, LSTM, and Random Survival Forest models, deploying an interactive Dash dashboard on Google App Engine.

Automated Food Classification

- Setup ML training environment and developed a Python CNN using transfer learning (EfficientNetB0, ResNet50) and data augmentation on Food-101, boosting accuracy to 80.7%.