Eric Zhao

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Education

San Jose State University **Aug 2023 - May 2025**

- Bachelor's Degree of Science - GPA: 3.9
- Major: Data Science

College of the Sequoias **Aug 2021 - May 2023**

- Associate Degree of Science - GPA: 4.0
- Major: Computer Science for Transfer

Skills

Languages/Tools: C, C++, Java, Python, SQL, Google App Engine, R, JMP
Libraries: NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, Scikit-learn, Flask, Dash, Plotly

Experience

Data Collection/XRT Data Quality Project, Experis @ Meta **2025 - Present**

- Supported XR research studies by guiding participants, collecting high-quality data, ensuring compliance with research protocols, and maintaining prototype device inventory.
- Troubleshot prototype hardware/software, documented bugs, communicated blockers to cross-functional engineering teams, and collaborated with analysts to improve workflows.

Heavy Truck Operator, US Army **2015 - 2019**

- Served in Armed Brigade forward support company, working on heavy-wheeled vehicles and transportation supplies including troops, food, water, ammunition, fuel, and heavy equipment.
- Communication representative maintains radio and JCR (Joint Capabilities Release) working properly.

Academic Projects

Auction and Marketplace System

- Designed and implemented a MySQL database schema (ERD, normalization to BCNF, indexing, triggers) and authored SQL scripts for table creation, data insertion, and business-rule enforcement.
- Built a full-stack web application with a Node.js/Express backend and React frontend to support product browsing, auctions, shopping cart management, order processing, and user notifications.

Business Trends & Market Analysis

- Analyzed 1.5 million+ Los Angeles business records in Python—conducting data cleaning, exploratory and Kaplan–Meier survival analyses, and developing LSTM & Random Survival Forest models.
- Built a Python-based Plotly Dash dashboard—featuring interactive maps and survival-curve visualizations—and deployed it on Google App Engine for real-time closure-risk queries.

Automated Food Classification

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