

Angelo Bingham Bianco

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Data Scientist | San Francisco, CA

EDUCATION

University of California, Berkeley

Berkeley, CA

Bachelor's Degree in Data Science; Domain Emphasis: Applied Mathematics & Modeling

May 2026

- Relevant Coursework: Probability, Data Mining (Advanced SQL), Principles & Techniques of Data Science, Optimization.

EXPERIENCE

AI/ML Engineer Intern at INFAISE, Remote

Jun 2025 - Aug 2025

- Built and tested a personalized movie-discovery application using viewer behavior and machine learning to help users find relevant content, with Python, PostgreSQL, FastAPI, Docker, and external APIs.
- Combined behavioral analytics, rule-based ranking, embedding similarity, and LLM-generated suggestions into a recommendation system using 10+ behavioral signals; simulation-based evaluation estimated a 13% lift in user engagement.
- Evaluated recommendation quality and API behavior across 100+ test cases, identified 8 recurring failure modes, and implemented and retested 6 refinements to improve recommendation quality and pipeline reliability.
- Presented model performance, failure analysis, and implementation tradeoffs directly to the founder, translating technical results into product decisions that influenced later recommendation-system and AI work.

Automotive Technician at Mechano Garage, Brisbane, CA

May 2024 - Aug 2024

- Diagnosed and repaired vehicles in a one-lift shop while using operational data and software tools to prioritize work across about 10-20 vehicles daily.
- Built and trialed a Python and SQLite vehicle-and-lift scheduler for two weeks, converting an informal process into a structured queue for prioritizing repairs and managing limited shop capacity.
- Analyzed scan-tool readings and vehicle symptoms to isolate faults and guide repair decisions, using ProDemand data for procedures, estimates, and invoicing.

Coding and Robotics Instructor at X-Kids, San Francisco, CA

Oct 2022 - Dec 2023

- Taught programming and robotics to groups of 20-30 students, helping beginners understand technical concepts and solve problems independently.
- Led about 20 classes using Scratch, Python, C++, and LEGO robotics, translating technical concepts into step-by-step explanations and coaching students through debugging and open-ended engineering problems.

PROJECTS

DataLens

[GitHub](#)

Python, Pandas, NumPy, scikit-learn, XGBoost, Streamlit, Docker, pytest

Apr 2026 - Present

- Built a self-service analytics application that profiles datasets up to 1,000,000 rows and 50 MB, identifies viable analysis or prediction targets, and combines data-quality checks, exploratory analysis, and model evaluation into a single decision-support workflow.
- Implemented train-only feature engineering, cross-validation, baselines, drift detection, 95% confidence intervals, and multiple-testing correction; validated reliability with a 110-test suite while model training and full external evaluation completed in 10.8 seconds.
- Prevented an unsupported deployment recommendation after external validation showed average precision falling from 1.000 internally to 0.618 on 64,374 external rows versus a 0.474 baseline, exposing generalization risk and 62,995 overlapping identifiers before results were treated as reliable.

CareerAgent - Human-in-the-Loop Job Search Assistant

[GitHub](#)

Python, FastAPI, PostgreSQL, Next.js, Docker, Playwright

Jan 2026 - Present

- Built a Dockerized data workflow that discovers, deduplicates, verifies, scores, ranks, and tracks jobs across Greenhouse, Lever, Ashby, and Workday sources, combining PostgreSQL analytics, Gemini-assisted drafting, and Playwright autofill with required human review before submission.

CIFAR-10 Image Classification - UC Berkeley Data 188

PyTorch, torchvision, CUDA, NumPy

Apr 2026

- In a two-person project, personally implemented the MLP baseline, residual CNN, and GPU-accelerated training pipeline; increased test accuracy by 14.8 percentage points while using 92% fewer parameters, demonstrating a substantially better accuracy-to-model-size tradeoff.

TECHNICAL SKILLS

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

Data & ML: Pandas, NumPy, scikit-learn, XGBoost, PyTorch, TensorFlow (coursework), Recommendation Systems

Statistics & Analytics: Exploratory Data Analysis, Statistical Analysis, Data Modeling, Feature Engineering, Cross-Validation, Model Evaluation, Experimental Design, Hypothesis Testing, Confidence Intervals, Data Quality & Drift Analysis

Data Visualization & BI: Matplotlib, Seaborn, Plotly, Tableau, Streamlit

Data Systems & MLOps: PostgreSQL, FastAPI, Data Pipelines, Docker, Git, GitHub Actions, pytest

ADDITIONAL

Languages: English (Native), French (Fluent Speaking)

Interests: Robotics, Automotive Technology, Homelab/Self-Hosting, 3D Printing