

Loretta Gray

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Programming Skills: SQL, Python, some C++, JavaScript, HTML RDMS

Theoretical Knowledge: Python | TensorFlow | SQL and NoSQL | Keras | SK Learn | Pandas | PyTorch | OpenCV | DevOp | IntelliJ IDEA | Tableau | Snowflake | APIs | NLP | RDMS | PyTorch | OpenCV | ChatGpt | Prompt Engineering | OS | Docker | Jenkins | Docker | Bert | RCNN | YOLO | BigData Apache Spark |

California Science and Technology **Major:** MA Certification AI and Data Science | GPA: 3.9

Graduation Date: 2023

California State University Hayward **Major:** Computer Science | **Graduation Date:** 1992


Linkedin: <https://www.linkedin.com/in/elle-grey-8a9307299>

EXPERIENCE

Independent AI Engineer | Applied ML & Regulatory Workflows

July 2025 – Present | Self-Initiated Projects

- Development AI-powered tools to support technical interviews and real-world Retrieval-Augmented Generation (RAG)n workflows
- Built and deployed a mobile-friendly Interview Flash Assistant using GPT, semantic search, and modular AI pipelines.
- Demonstrated full-stack capabilities across Python, React, FAISS vector search, OpenAI API, and scalable prompt engineering.
- Published source code and live demos showcasing autonomous, production-ready AI solutions aligned with enterprise project requirements. Leveraged AI-driven learning and self-directed workflows to deliver tools matching the expectations of technical teams like Dovetail.
- Designed and deployed intelligent workflow tools simulating regulated environments (legal filings, document QA, deadline tracking).
- Used Python, GPT APIs, and semantic search to mimic compliance-focused, real-world use cases — similar to actuarial modeling environments.

 [Live Demo](#) | [Source Code](#)

(CUE) LLC

San Jose, CA

AI Voice Reader

Present

November 2024

- Read aloud in natural, whisper and silent voice (to myself) canned scripts using headset and facial recognition software

Sub Teacher Source

United States

Teacher

Present

November 2024

- Various Long-term teaching positions in middle and high schools throughout Alameda County.

REMOTASK Inc.

United States

AI Model Trainer, Bulba Code T3

February 2024

- Utilized expertise and coding skills to complete tasks to train AI models by analyzing various AI prompts written in multiple languages ie: (R, Python, C++, JavaScript, HTML), in order to solve real world problems.

California Science and Technology University

Student

October 2023

Monterey and Contra Costa Office of Education

Monterey, CA, and Antioch, CA

Teacher

June 2022

- Various Long-term teaching positions in K-12 schools, all subject areas

Visual Spiritus Inc (Self Employed)

August 2006

California Department of Education, Sacramento, CA

Contract Project Manager, Finance Systems

- Lead the team to standardize and implement the Y2K conversion of 1500+ programs for USDA National School Lunch Program using RDMS, project management tools, batch processing
- Successful bidder winning the Californian Multiple Award Schedule (CMAS) 2 year contract for this project.

Bank of America Corporation, Concord CA

Systems Engineer: Finance and Equipment Systems, and Capital Markets & Global Banking Systems

- Identified database problems by debugging code using Schema Reorg which resulted in major storage savings
- Wrote the Short Term Asset Sales System for New York Asses Sales Division, RDMS and Project Management

Chevron Corporation, San Ramon CA

Programmer Analyst, Human Resources & College Recruitment Systems

- Analysis and Development of data and implementation of Human Resource Student Recruitment Systems using search engines to identify candidates for hire, RDMS, Report Writing
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Activities, Queries and Coursework: • Automated README generation across GitHub repos using Python scripts to dynamically extract metadata, summarize code functions, and standardize documentation — improving discoverability and professional presentation of portfolio projects, *Tableau Mag6EarthQuake Visualizations*, *YOLO vs. RCNN*, *AI Talking Image Automation*, *CNN Components for Overfitting*, *Q-Learning: Flowchart & Equations*, *Leaf-Spine &SDN Security*, *Install Spring Boot Terminal*, *NLP Seq2Seq Model: Encoder Detection*, *JPG to PNG Converter*, *Stop Words Fix Error*, *Install Minicube*, *Analyze Alexa Dataset*, *ANNs: Learning Complex Relationships*, *Install Docker on MacOS*, *Install Geopandas using PIP*, *Python FPUber Analytics*, *Python Analysis of Ride-Share Data*, *Adjusting for Project Risk*, *Leetcode Problem Solver*, *Fine-Tune GPT-3 Comparison*, *Lines and Circle Eye*, *Pong with Deep RL*, *Overfitting in Data Science*, *Markov Chain Explanation*, *Binary Search Insertion Runtime*, *Loss Function in ML*, *Optimizing Python Code*, *BigData*, *Apache Spark*, *PCA eigenvectors, eigenvalues*, *SVD-dimension-reduction*, *Decision-Trees*, *Random-Forrest*, *Isotonic-Regression*, *ML Classification-Dense vs. Sparse*, *PySpark ML Spam Detection*, *RMSE Decision Tree Analysis*