Gabriel Larot

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EXPERIENCE

Data Annotation — *Software Validation*

FEB 2024 - JUNE 2024

- Reviewed and validated AI-generated code samples to ensure adherence to coding standards and best practices.
- Assessed code quality by checking for efficient algorithms, readability, and proper use of programming methodologies.

Stanford University — *Research Scientist, Intern*

MAY 2022 - SEPTEMBER 2022

- Wrote technical and data analysis reports, creating presentations for team coordination.

- Conducted research on 1D electron particle trajectory simulations (C++ and MATLAB) exploring algorithmic designs of rocket booster efficiencies.

U.S Navy — *Aviation Ordnanceman*

AUGUST 2016 - AUGUST 2021

- Assembled, repaired, and tested aircraft armament and ordnance systems.

- Participated in a six-month Cryptologic Technician Networks (CTN) training program, performing threat analysis, digital forensics, and network exploitation.

PROJECTS

The Effects of Bay Area Weather on Energy Consumption

- Built full-stack web application with Python, Dash, HTML, and CSS to analyze differences in climate sensitivity between San Francisco (shifts in temperature) and San Jose (seasonality).
- Analyzed important weather features with SHAP and PDP statistical techniques to understand factors influencing energy consumption.
- Developed LSTM and SARIMA time-series models to forecast regional energy demand using historical PG&E and NOAA data.

Emotion Classification

- Designed an NLP model using an LSTM neural network to classify 28 distinct emotions textual data, extending capabilities of simple emotion classification models.

Car Configuration Application

- Engineered a multithreaded Java application to manage complex car configurations with custom APIs encapsulating client-server functionalities.

ABOUT

Data Science student with Active Single Scope Background Investigation (SSBI). Proficient in data science and developing software solutions. Knowledgeable of machine learning and statistical techniques (random forest, decision tree, regression, statistical tests, learning algorithms, etc.)

SKILLS

Python | Java | R | SQL | Data Science | Machine Learning | Git | Unix

OOP | Data Manipulation | Data Visualization | Software Development | Applied Probability | Linear Algebra | Multivariate Calculus | Pandas | Scikit-Learn

EDUCATION

San Jose State University

Bachelor of Science
Data Science

AUGUST 2023 - DECEMBER 2024

De Anza College

Associate of Science
Computer Science

SEPTEMBER 2021 - MARCH 2023

AWARDS

Letter of Appreciation -

Lt. Jenkins, Mathis U.S. Navy

2020

Excellence Award - Navy Club of the United States Military

2016