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 and created presentations to share research progress.
- Conducted research on 1D electron particle trajectory simulations (C++ and MATLAB), to explore algorithmic designs of Hall Thruster efficiencies.

U.S Navy — *Aviation Ordnanceman*

AUGUST 2016 - AUGUST 2021

- Assembled, stored, repaired, and tested aircraft mechanical 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 weather features with SHAP and PDP to understand key weather factors that influence energy consumption in the Bay Area.
- Developed LSTM and SARIMA time-series models to forecast regional energy demand using historical PG&E and NOAA data.

Emotion Classification

- Created an NLP model using LSTM to classify 28 distinct emotions from textual data, extending capabilities beyond a simple emotion classification model.

Car Configuration Application

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

ABOUT

Data Science student with Active Single Scope Background Investigation (SSBI). Proficient in data science and developing software solutions. Passionate to learn, solve real-world problems, and grow my career as a Data Scientist and Software Engineer.

SKILLS

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

OOP | Data Manipulation | Data Visualization | Software Development | Applied Probability and Statistics | Pandas | Scikit-Learn | Dash | Excel

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