

Linda Dominguez

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EDUCATION

Wellesley College

B.A. Psychology

Wellesley, MA

Sep. 2020 – May 2024

Relevant Courses: Data Structures, Computer Programming & Problem Solving, Stats, Java OOP

Human Computer Interaction, Artificial Intelligence, Research Methods, Personality Psych, Cognitive Psych

Massachusetts Institute of Technology(MIT)

Cambridge, MA

Cross-registered student: Computer Science, Machine Learning, & Data Science

Sep. 2022 – May 2024

Relevant Courses: Intro CS, Programming Fundamentals, Deep Learning, WebLab,

Machine Learning, Software Systems for Data Science, Web Design

EXPERIENCE

BAM.money Data Science Officer

July 2024 - Present

2 Park Avenue New York, NY 10016

- Developed and integrated data models (xLSTM, LSTM), sourced new data, and increased model accuracy
- Improved React-based system for bulk-creating personalized email drafts using dynamic templates and integrated with Gmail APIs for automated email management
- Enhanced prospect development and outreach strategies by conducting data exploration on subreddits, automating API interactions, extracting key metrics (e.g., subscribers, active users), and performing feature extraction for thematic analysis, resulting in a structured dataset to inform targeted outreach initiatives
- Documented and maintained data research
- Assisted with business analyses and presentations

Biointerphase, Machine Learning Engineer Intern

Sep. 2023 - Dec. 2023

Remote

- Developed predictive models (random forest & NLP) for assessing bat population decline with 97% and 87% accuracy respectively using acoustic timestamp data

Breakthrough Tech AI MIT, Fellowship

June 2023 - April 2024

MIT Schwarzman College of Computing

- Received training in machine learning & gained a ML Foundations certificate awarded by Cornell Tech

SKILLS

Programming Languages: Python 3, Java, R, HTML, CSS, SQL

Software & Libraries: Pandas, Numpy, Matplot, Tensorflow, Scikit-learn, Flask, Linux, NLTK, Bootstrap

Certificates: Machine Learning Foundations issued by Cornell Tech

Other: L^AT_EX, Excel, Figma, GPT-4 API, quick-learner, detail-oriented, Machine Learning, AI, Regex

PROJECTS

Sentiment Analysis on Cryptocurrency Patterns | Alpaca API, Pandas, NLTK

Feb. 2024 - May 2024

- Developed LSTM & GRU models to predict Bitcoin prices based on sentiment analysis of bitcoin-related tweets
- Employed NLTK's VADER sentiment analysis tool to gauge market sentiment & Alpaca API for BTC price data
- Conducted time series forecasting and evaluated model performance using metrics like MAPE and RMSE, demonstrating the significant impact of market sentiment on Bitcoin price predictions

New York Botanical Gardens Image Classification | Pandas, Numpy, Tensorflow

Jan. 2024 - April 2024

- Engineered a multicategorical classification model based on **ResNet101V2 architecture**, accurately categorizing over **120,000 images** spanning **10 distinct classes** of plant and animal specimens, accuracy of **97%**

Cryptocurrency & Price Prediction | Alpaca API, Pandas, Plotly, Matplotlib

Mar. 2024

- Developed **XGBoost model** (99% accuracy) to predict cryptocurrency based on prices using KFold cross-validation(10 splits)

HealthAssess | Flask, Python, GPT-4 API, Numpy, Seaborn, Matplotlib, HTML

Feb. 2024

- Developed web-based health assessment tool that uses live heart rate data readings for AI health analysis

ACTIVITIES AND LEADERSHIP

Camellia Student Leadership Award Recipient, Awarded by Wellesley College

May 2023

Wellesley College Honor Code Council, Deputy Chief Justice

Sep. 2022 – May 2023

MIT Society for Hispanic Professional Engineers(SHPE), General Member

Sep. 2023 - May 2024

Wellesley College CS Club, General Member

Sep. 2022 - May 2024

Wellesley College Engineering Society, General Member

Sep. 2022 - May 2024