Linda Dominguez

(201)496-1973 | dlinda@mit.edu | www.linkedin.com/in/linda-dominguez | https://limedosa.github.io/

EDUCATION

Wellesley College — Wellesley, MA
B.A. Psychology — Sep. 2020 – May 2024
Relevant Courses: Data Structures, Computer Programming & Problem Solving, Statistics, Java Object Oriented Programming, Human Computer Interaction, Artificial Intelligence

Massachusetts Insitute of Technology(MIT) — Cambridge, MA
Cross-registered student: Computer Science, Machine Learning, & Data Science — Sep. 2021 – May 2024
Relevant Courses: Intro CS, Programming Fundamentals, Deep Learning, WebLab, Machine Learning, Software Systems for Data Science, Web Design

EXPERIENCE

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
Software & Libraries: Pandas, Numpy, Matplot, Tensorflow, Scikit-learn, Flask, Linux, NLTK, Bootstrap
Certificates: Machine Learning Foundations issued by Cornell Tech
Other: LaTeX, Jamovi, OOP, Figma, GPT-4 API, quick-learner, detail-oriented, Machine Learning, AI, Regex

HACKATHONS

MakeHavard 2024 — Feb. 2024
NIKE, Inc. INSIDIOUS Hackathon — Mar. 2023
Google Vertex AI Hackathon — July 2023
Datathon@LISH Harvard — Sep. 2023

PROJECTS

Sentiment Analysis on Cryptocurrency Patterns | *Alpaca API, Pandas, NLTK* — Feb. 2024 - May 2024
- Developed and implemented 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 an **XGBoost model** with 99% accuracy for predicting 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