

EDUARD MIGUEL BUENO

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Data Science Major applying for opportunities in Data Science & Analytics

EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA

Expected June 2025

Los Angeles, Bachelor in Statistics and Data Science

GPA: 4.0/4.0

Dean's List: Fall 2023- Current

Los Angeles Valley College, Valley Glen, CA

June 2023

Valley Glen, Associate in Mathematics

GPA: 4.0/4.0, Summa Cum laude, President's List & Dean's List

Cornell University

August 2024

Machine Learning Foundations e-certificated, Breakthrough Tech

PROJECTS

Nurse-Hospital Recommendation System -Ask Margot- <https://github.com/Ask-Margot-Nurse-Match/NurseMatch>

- Designed and implemented a **deep learning-based recommendation system** to match nurses with hospitals, achieving **84% prediction accuracy** for job satisfaction and placements.
- Utilized **Python** and libraries such as **TensorFlow, Keras, NumPy, and Pandas** to build and optimize the model.
- Combined nurse preferences and hospital ratings using a **Deep Neural Network** to predict user satisfaction probabilities.
- Analyzed patterns with **collaborative filtering** techniques and ensured high-quality recommendations with unique hospital outputs.

Census Income Classifier -Cornell- github.com/L4S3RB0Y/ML_project_census

- Using NumPy and Pandas, cleaned, standardized, and visualized data of over 30,000 entries from the US Census
- Applied feature engineering and statistical methods to identify and select the 6 most informative variables from an initial set of 15
- Utilized the Random Forest Classifier using sci-kit-learn, improving ROC-AUC of 0.88 and an accuracy of 83% in Income Classification
- The project is applicable to help identify individuals who may need further support

EXPERIENCE

Ask Margot, Los Angeles, CA

August - December 2024

AI Student Fellow

- Developed a machine learning model in Python to improve job recommendations for nurses, achieving **84% accuracy**.
- Leveraged **Deep Neural Networks** and **Unsupervised Learning** techniques to analyze user preferences and hospital ratings.
- Matched nurse profiles with hospital data to optimize job satisfaction, placement success, and community engagement.

Breakthrough Tech AI UCLA, Los Angeles, CA

AI Student Fellow

June 2024 - Current

- Selected from 3000+ applicants for the Breakthrough Tech AI program
- Engaged in a 12-month program, including Machine Learning coursework with Cornell faculty
- Implemented neural networks for computer vision and natural language processing tasks using TensorFlow and scikit-learn, resulting in deployable models for machine learning problems

Mathnasium, Studio City, Los Angeles, CA

Lead Instructor

December 2019 - September 2024

- Inspired and guided 20 students daily to overcome challenges in the realm of mathematics, fostering a motivational environment for academic success
- Directed and coached a team of 10 Math Instructors, ensuring continuous enhancement of math teaching methodologies while maintaining high instruction standards and facilitating monthly training sessions.
- Provided invaluable support to over 100 clients by delivering constructive feedback on student performance and formulating actionable plans for sustained academic progress

SKILLS

Python, Pandas, Numpy, Scikit-learn, Keras, Neural Networks, R, ggplot2, Linear Modeling Data Analysis, Analytical Problem Solving, Data Analytics; Soft skills: Leadership, Customer Relations, Problem Solving, Bilingual in English and Tagalog