

David Noboa Moreira

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EDUCATION

State University of New York at Albany

Albany, NY

Bachelor of Science in Computer Science, Minor in Cybersecurity | GPA 3.72

Aug. 2023 – May 2027

Dean's List Fall 2023 – Fall 2025

EXPERIENCE

Resident Assistant

Jan 2025 – Present

SUNY at Albany Residential Life

Albany, NY

- Supported the transition of 40+ residents by providing academic, technical, and personal guidance while promoting an inclusive living environment.
- Responded to student inquiries, incident reports, and emergencies, documenting cases accurately and escalating as needed to ensure safety and compliance.
- Coordinated 3+ campus engagement events each semester, leveraging digital communication tools to boost participation and community involvement.

FOH/BOH Certified Trainer

Aug 2024 - Oct 2025

Chipotle Mexican Grill

Albany, NY

- Processed 200+ daily transactions with 100% accuracy, maintaining data integrity and ensuring consistent POS system operations
- Trained and certified 20+ employees on digital systems, quality control, and service standards
- Led hands-on training sessions to enhance productivity and ensure compliance with HACCP and corporate safety standards.

PROJECTS

Numerical SVD Image Compressor | Python, Numpy, Matplotlib, Scikit-image

Dec 2025

- Built a custom SVD algorithm in Python from scratch using Householder reflections and iterative QR decomposition.
- Engineered an image compression pipeline to reconstruct grayscale images via low-rank matrix approximations.
- Implemented numerical methods to compute eigenvalues and eigenvectors using iterative convergence logic.
- Visualized compression analysis with Matplotlib to demonstrate effective image reconstruction at less than 20% of original data size.

Spam Email Detector | Python, Flask, TensorFlow, HTML, CSS, JavaScript

Sep 2025

- Developed a deep learning spam classifier using Python and TensorFlow/Keras to automatically filter unwanted emails.
- Implemented an NLP pipeline with NLTK to perform text cleaning, stopword removal, and tokenization on raw email datasets.
- Engineered an LSTM (Long Short-Term Memory) neural network to analyze sequential text patterns and predict spam with high confidence.
- Deployed the trained model into an interactive web interface using Flask to provide real-time detection for end-users.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Postgres), JavaScript, HTML/CSS

Developer Tools: Git, Docker, Jupyter Notebook, PyCharm, Anaconda, IntelliJ, Linux, Kali Linux

Libraries: Pandas, NumPy, Matplotlib, TensorFlow, Flask, Scikit-learn

LANGUAGES

English (Proficient)

Spanish (Native)