

JORGE PINEDA

SOFTWARE / MACHINE-LEARNING ENGINEER | B.B.A. CANDIDATE 2025

PROFESSIONAL SUMMARY

Computer Science major, Business-Administration minor who enjoys turning data and code into working products. Comfortable in Python, Linux, and cloud notebooks; experienced explaining technical concepts to peers and shipping small apps that solve real problems.

EDUCATION

BA - COMPUTER SCIENCE, MINOR IN BUSINESS ADMINISTRATION
Clarke University

Aug 2021 - Aug 2025
Dubuque, IA

PROJECTS

OLYMPIC-MEDAL PREDICTION

Python, scikit-learn

Engineered nation-level features (GDP, population, prior-medal count); Gradient-Boosting model reached 85 % accuracy on 2016-style hold-out set.

3-D OBSTACLE-COURSE GAME

Unity & C#

Designed levels, scripted player physics, and integrated UI/UX.

ACADEMIC-AFFAIRS FLOW AUTOMATION

Microsoft Power Automate

Built low-code workflow that converts PDFs and routes approvals, cutting manual email steps by ~40 %.

DINOSAUR-SPECIES IMAGE CLASSIFIER

TensorFlow 2.x & EfficientNetB0

- ♦ Fine-tuned an ImageNet-pretrained EfficientNetB0 on a 3 000-image dataset of 15 dinosaur species, employing real-time augmentation (flips, rotations, color jitters) to boost generalization.
- ♦ Achieved 82% test accuracy (7 % above a ResNet-50 baseline) and packaged the model as a TensorFlow Serving endpoint for rapid, scalable inference.

EMPLOYMENT HISTORY

ACADEMIC TUTOR

Clarke University

Sep 2024 - Present

- ♦ Explain concepts and guiding students through coding problems.
- ♦ Developed tailored practice problems, leading to noticeable improvements in student evaluation scores and overall comprehension.
- ♦ Shared supplementary online resources to enrich student understanding, cultivating a passion for coding and continuous learning.
- ♦ Introduced interactive coding sessions, significantly increasing student engagement and participation during tutorials.

INVENTORY MANAGER

Serrano Industrial

Jun 2020 - Jun 2021
Roatán, Honduras

- ◆ Maintained/updated inventory records in the store's inventory management system.
- ◆ Streamlined inventory management processes, achieving substantial improvements in stock accuracy and reducing discrepancies.
- ◆ Coordinated with vendors to optimize delivery schedules, ensuring consistent stock availability and strengthening supplier relationships.
- ◆ Fostered a collaborative team environment, encouraging knowledge sharing and skill development among staff to improve overall performance.
- ◆ Orchestrated cross-departmental meetings to align inventory strategies, improving communication and driving team accountability.

SKILLS

Languages/Frameworks Python, Java, C#, JavaScript, SQL, Bash ,
ML & Data TensorFlow 2, scikit-learn, pandas, NumPy, Jupyter Lab, Colab ,
Dev Tools Git / GitHub, VS Code, Unity, Power Automate, REST/JSON ,
Coursework Algorithms, Databases, Operating Systems, Cybersecurity, Managerial Acct.,
Bilingual (English/Spanish), cross-team communication, agile mindset.

LINKS

LinkedIn: www.linkedin.com, Portfolio: jorgepineda3.github.io, Dubuque Martial Arts Group: jorgepineda3.github.io,

LANGUAGES

Spanish (*Native*), English (*Native*).