Dalia Ortiz Pablo

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MACHINE LEARNING ENGINEER | DATA SCIENTIST

Data scientist with 3+ years of experience leveraging machine learning and data science techniques to drive decision-making and generate actionable insights. Skilled in end-to-end ML pipeline development, from ideation to deployment. Strong collaborator with stakeholders to develop high-quality solutions. Self-motivated and adaptable, excelling in both independent and team environments.

Experience

Research engineer / Data Scientist | CDHU, Uppsala University (UU) | Uppsala, Sweden   2022 - PRESENT
- Established research engineering guidelines, reducing setup time by 30% streamlining workflows and best practices.
- Led 4+ workshops on ML and programing topics, training 30+ participants.
- Co-authored 5+ papers and book chapters, contributing to research and innovation.
- Co-coordinator of the WASP-ED Python course UU**,** ensuring high-quality instruction and curriculum development.

Selected Projects:
- Social Media Analytics: Built a web scraper for large-scale data collection and user engagement analysis.
- Handwritten text processing: automated reading, translating, and summarizing handwritten text, integrating project development, model evaluation, and deployment.
- Developed a ML pipeline for logo detection in videos, achieving 85% accuracy on a complex, imbalanced, and small dataset, significantly outperforming baseline models.

Research Assistant | CCM, National Autonomous University of Mexico | Mexico City, Mexico   NOV 2019 – AUG 2020
- Developed and refined existing code to predict sudden changes of dynamics in a dynamical system.
- Demonstrated the emergence of statistical early warning indicators prior to bifurcation events.

Education

MSc in Data Science | Uppsala University | Uppsala, Sweden   JUN 2022
Awards: King Carl Gustaf & Conacyt Regional Centro Scholarships for academic excellence.

BSc in Mathematics | National Autonomous University of Mexico | Mexico City, Mexico   OCT 2019
Awards: National Mobility Scholarship for academic excellence and to complete my thesis work in a different state in Mexico.

Skills

ML & Deep Learning: TensorFlow, PyTorch, Scikit-Learn; Computer Vision • **Programming:** Python, SQL • **Data Processing:** Pandas, NumPy, OpenCV • **Version control** • **Stakeholder Collaboration** • **Public Speaking** • **Adaptability & Continuous Learning**

Spanish (fluent) • English (fluent) • Swedish (Proficient)

Certifications

AWS Cloud Practitioner (In Progress) • Feature Engineering by Kaggle