Alexander Valverde Guillen

Deep Learning Researcher / Data Scientist

Highly motivated and accomplished professional with a strong background in data science and machine learning, backed by three years of corporate and academic experience. Skilled in a wide range of projects with a focus on computer vision and machine learning.

Currently seeking opportunities to further develop state-of-the-art foundation models for deployment across diverse applications, with a commitment to advancing the responsible use of AI.

Work History

2024-09 - Current

Deep Learning Researcher

University of California, Santa Cruz, Santa Cruz, California

Deep learning researcher developing state-of-the-art models for the medical industry under the supervision of Dr.Yuyin Zhou.

Responsibilities

- Developed deep learning models to meet the requirements of the research employing diffusion techniques with semi-supervised learning.
- Supported a bachelor degree student during the research with tips and PyTorch training.
- Managed multiple research projects simultaneously, ensuring timely completion within budget constraints.

2024-04 - 2024-09

Head Data Scientist (Marketing Team)

FIFCO, San José, Costa Rica

Responsibilities:

- Lead the marketing data science team (3 data scientists) in developing cutting-edge models and solutions
- Driven strategic initiatives to enhance data utilization and business intelligence.
- Developed state-of-the-art solutions for business and society problems.

Contact

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WWW
https://www.linkedin.com/in/alexandervalverdeguillen/

Websites, Portfolios, Profiles

- https://github.com/alevalve
- https://medium.com/@alexandervalverdeguillen

Skills

Semi-Supervised Learning

Statistical Methodologies

Data Collection

Diffusion Algorithms

PyTorch Proficiency

Data organization

Qualitative and Quantitative Research

Key Projects:
- **Salesforce Customer Data Platform**
- **Binary Seashell Classification Model (paper in progress with UCR)**
- **Classification Models**
- **Campaign Prediction Models with FBADS**
- **Seashell Anomaly Detection System**
- **Feature Extractor for Image Posts and Billboards**
- **Image Generator for Brand Campaigns**

2022-09 - 2024-03

Data Scientist

Joystick - FIFCO, San José, Costa Rica

Responsibilities:
- Created strategic initiatives to enhance data utilization and business intelligence.
- Build state-of-the-art solutions for business and society problems.
- Trained different marketing teams in data governance and strategic methods for data collection.

Education

2020-01 - 2022-05

Bachelor of Science: Economics

Universidad Latinoamericana De Ciencia Y Tecnología - San José, Costa Rica

Expected in 2026-05

Master of Science: Scientific Computing And Applied Mathematics

University of California, Santa Cruz - Santa Cruz

Certifications

2023-01

Machine Learning Engineering Zoomcamp, DataTalks

2023-08

Python 3 Programming Specialization, University of Michigan

2023-09

Deep Learning Specialization, DeepLearningAI

2023-12

Coding for Everyone: C and C++ Specialization, UC Santa Cruz

2024-07

Generative AI with Diffusion Models, NVIDIA

Data Science Problem Solving

C and C++ Knowledge

Software

Python
●●●●○

PyTorch
●●●●○

C
●●●○○

C++
●●●○○

Docker
●●●●○

Git
●●●●○

Languages

Spanish
●●●●●○
Native or Bilingual

English
●●●●●○
Native or Bilingual

French
●●●○○○
Professional Working

Italian
●●●●○○
Full Professional