Sebastian Correa Echeverri

AI Product Manager | AI Scientist | Machine Learning Engineer| Software Developer|

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SUMMARY

As an experienced AI engineer and product manager, I specialize in machine learning, neural networks, and deep learning with a focus on pattern recognition, natural language processing, and computer vision. My passion for AI product conceptualization and product management drives me to develop innovative solutions that meet the needs of both businesses and consumers. Alongside my AI expertise, I also build web applications with Python and Django as well as PostgreSQL databases. I am a strong communicator who can effectively convey complex technical concepts to both technical and non-technical stakeholders. I am dedicated to continuously improving my skills and expanding my knowledge in the field of AI and machine learning. I excel in collaborative, cross-functional team environments and have a proven track record of delivering innovative and effective solutions to complex problems.

EXPERIENCE

02/2022 - Present

AI Product Manager
Veridas

- Identified customer needs and market opportunities, conducted market research, and gathered customer feedback to understand what product features and functionalities they desired.
- Using a scientific mindset and approach to problem-solving defined the product vision and strategy, leveraging insights from cross-functional teams including product committees, technology experts, designers, and software developers.
- Maintained contact with the market by engaging in customer conversations, exploring the market and competition, attending trade shows, and gathering relevant feedback.
- Created and led cross-functional teams to bring the product to market, maintain it, and drive its evolution.
- Managed the product development process, including creating product roadmaps, prioritizing features, and ensuring timely delivery within budget.
- Responsible for launching and post-launch management, including pricing, promotion, and distribution. I also analyzed and reported on product performance, using data and analytics to track product performance and make recommendations for future improvements.
- Maintained product documentation throughout its lifecycle, including production and operating costs.

10/2020 - 02/2022

Product Owner and AI Engineer
Veridas

- Develop innovative algorithms and solutions in biometrics and antispoofing by using depth understanding of Machine Learning principles. Lead the technical direction of the team's technology.
- Develop long-term plans and strategies in facial biometrics and antispoofing. Defining and prioritizing product features and requirements based on customer needs, market trends, and business goals.
- Collaborating with cross-functional teams, including developers, designers, and stakeholders, to ensure timely delivery of high-quality products that meet customer expectations.
- Acting as the primary point of contact for product-related inquiries and issues from customers, internal teams, and stakeholders.
- Ensuring that the product meets legal and regulatory requirements, as well as industry standards and best practices. Providing leadership and guidance to the product team, including coaching, mentoring, and professional development opportunities.

08/2018 - 10/2020

Engineer and researcher in artificial intelligence
Veridas

- Develop innovative algorithms and solutions in biometrics and antispoofing by using depth understanding of Machine Learning principles.
- Lead the technical direction of the team's technology. Develop long-term plans and strategies in facial biometrics and antispoofing.
- Collaborate with cross-functional teams in Technology and Operations to bring research solutions to end-users.
- Mentor junior engineers. Participate in cutting-edge research in biometrics, antispoofing, deepfakes, generative AI, etc.

02/2018 - 07/2018

Machine Learning Internship
Veridas

Master's final project development.

- Design and development of deep learning applications for mobile devices. Computer Vision, Neural networks, development in SWIFT.

06/2017 - 11/2017

Research Associate
Universidad EIA - Escuela de Ingeniería de Antioquia

- Data analysis of access records to low-amount financial credits.
- Data cleaning by detecting anomalies, normalization, classification, and standardization. Construction of regressive models and classification by SVM and neural networks to evaluate future candidates.
- Photographic survey, data processing, and analysis for the project, Precision of digital elevation models obtained with low-cost drones.

01/2017 - 06/2017

Professor
Universidad EIA - Escuela de Ingeniería de Antioquia

Lecturer of the subjects:

- Fundamentals of Programming
- Analysis of Decisions.

03/2016 - 08/2017

Development Lead
Metis Consultores

- Leader and developer of web applications team, for the aeronautical sector applications for registration, collection, visualization, and prediction of movement of passengers and aircraft in airports. Python, Django, PostgreSQL. Development. Full stack developer.

10/2015 - 03/2016

Engineer of Technological Projects
Unión Eléctrica S.A

- Resident engineer of technological projects, assembly, management of resources, and personnel for the project.
- Implementation of a Facial recognition, LPR, and conventional analytical system for the Medellín City Hall and Police.

01/2015 - 10/2015

Undergraduate Researcher
Universidad EIA - Escuela de Ingeniería de Antioquia

Project:

- Analysis of the thermal behavior of coverages in urban environments using unmanned aerial vehicles (UAV's). Manipulation and design of unmanned aircraft. Usages of GIS tools and information cleaning and processing.

EDUCATION

2018 **Artificial Intelligence and Computer Vision**
Universitat Politècnica de València (UPV)
Master in Science
Projects:

- Face recognition system
- Identification of automobile models using bi-linear models.
- Aggressiveness detection in tweets

2014 **Mechatronic Engineer**
Escuela de Ingeniería de Antioquia
Bachelors
Projects:

- Automated House
- Electric Car
- Fruit and vegetable packing machine

CERTIFICATES

2021 - Present	**Strategic Applications of IT Project & Program Management, edx**
2019 - Present	**Executive Data Science, Coursera**
2019 - Present	**Deep Learning in Python, DataCamp**
2018 - Present	**Supervised Learning with scikit-learn, DataCamp**
2018 - Present	**Intermediate Python for Data Science, DataCamp**
2016 - Present	**Introducción a C++, Microsoft - DEV210x through edx**
2016 - Present	**Machine Learning, Stanford University Coursera**
2016 - Present	**Data Science and Machine Learning Essentials, Microsoft through edX**
2016 - Present	**Intro to iOS App Development with Swift, Udacity**
2016 - Present	**Introduction to computer vision, Universidad Carlos III de Madrid through edx**
2016 - Present	**Learn Swift Programming Syntax, Udacity**

SKILLS

Machine Learning	Advanced	Agile Methodology	Intermediate
Python	Advanced	Keras	Advanced
AI Expertise	Advanced	Tensorflow	Advanced
Strategic Thinking	Intermediate	OpenCV	Advanced
Product Design	Intermediate		

LANGUAGES

Spanish	Native	French	Basic
English	Fluent		