

DR ALBERTO M. CHIERICI

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SUMMARY

Entrepreneur, Scientist, VP / Director level experience with a strong track record of delivering impactful AI products and projects in different industries. Expertise in managing and growing technical teams, machine learning products, design of experiments, financial modeling, product management, and company building. Excellent communicator and leader with a unique mix of practical experience, technical, and business skills matured in various capacities, including advisor, founder, management consultant, and actuary.

TECHNICAL SKILLS: Python (and PyTorch, TensorFlow), R, Jupyter Lab, SQL (MySQL, PostgreSQL), DGraph, Spark, FastAPI, Flask, Docker, Git, GitHub, AWS, Gcloud.

LATEST PROFESSIONAL EXPERIENCE

AROUND

MEXICO CITY, MEXICO

Investor, Interim Director of Data Science and Finance

January 2022 – Present

Alberto advises how data science can help Around achieve their next 10x growth target and establishes priorities, data-products roadmap, and engineering requirements for the Data Science and Finance functions and teams at Around.

Data Science

- Lead data-driven decision-making in demand and supply teams by developing a comprehensive machine learning tool to track, predict, and monitor commercial real estate performance for various geographical areas.

Finance

- Improve financial reporting, accounting, data recording, and forecasting, achieving 90% data accuracy.
- Lead and train team members to enhance performance and improve processes.

TESLA

BERLIN, GERMANY

Sr Data Science and Actuarial Manager

April 2021 – August 2022

- Owner of actuarial and data science functions for Tesla insurance products in EMEA, responsible for planning, hiring, and growing a team of 10 data scientists and actuaries.
- Conducted one-on-ones and performance reviews and set goals and product roadmaps.
- Technical work included analyzing terabytes of data generated by the Tesla fleet, developing and launching the Tesla Safety Score (Beta), and feasibility studies in different regions.

SPIXII

LONDON, UNITED KINGDOM

Founder, Chief Product Officer, Data Science, and AI

January 2016 – June 2018

- Managed company setup, product, and customer development at Spixii, a boutique agency specializing in AI frameworks and chatbot solutions for enterprise clients.
- Created an award-winning chatbot for enterprise insurance services through customer interviews and experimentation.
- Led two teams of 5-10 employees in data science, engineering, product management, and marketing, including recruiting, setting OKRs, conducting performance reviews, and providing training.

DELOITTE

LONDON, UNITED KINGDOM

Senior Consultant, AI

May 2014 – December 2015

- As Senior Data Scientist at HexScore, selected technology requirements, built machine learning pipelines, supported sales pitches, and led technical solution development and product design for Deloitte Consulting Incubator's InsurTech flagship project.
- Led small teams of 1-3 senior data scientists, including setting objectives, conducting daily standups and one-to-ones, and providing input to performance reviews.

Insurance Industry (CHUBB, BEAZLEY, MUNICH RE)

LONDON, UNITED KINGDOM

Actuary

July 2010 – April 2014

Early career in actuarial science. Developed statistical models for pricing, capital modeling, reserving, and data visualizations for management information reports.

ACADEMICS

NEW YORK UNIVERSITY ABU DHABI

Ph.D. in Computer Science and Engineering

ABU DHABI, UAE

July 2018 – April 2023

Research on Dialogue Systems, Natural Language Processing, Human-Computer Interaction, and Responsible AI.

Publications:

- Chierici, Alberto, Soojin Lee, et al. "Boundless Talks: From Monologue to Dialogue with AI-Powered Video Interaction Across Domains, Languages, and Time." In SIGGRAPH Asia 2023 Emerging Technologies. 2023 (to be published).
- Chierici, Alberto, and Nizar Habash. "Tell Me More, Tell Me More: AI-Generated Question Suggestions for the Creation of Interactive Video Recordings." In Proceedings of the 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN). 2023 (to be published).
- Chierici, Alberto. "Scalable, Human-Like Asynchronous Communication." Ph.D. diss., New York University Tandon School of Engineering, 2023.
- Chierici, Alberto. "The Ethics of AI: Facts, Fictions, and Forecasts." Washington, DC: New Degree Press. 2021.
- Chierici, Alberto, Tyeece Hensley, Wahib Kamran, Kertu Koss, Armaan Agrawal, Erin Meekhof, Goffredo Puccetti, and Nizar Habash. "A Cloud-based User-Centered Time-Offset Interaction Application." In Proceedings of the 22nd Annual Meeting of the Special Interest Group on Discourse and Dialogue, pp. 265-268. 2021.
- Chierici, Alberto, and Nizar Habash. "A View From The Crowd: Evaluation Challenges for Time-Offset Interaction Applications." In Proceedings of the Workshop on Human Evaluation of NLP Systems (HumEval), pp. 75-85. 2021.
- Chierici, Alberto, Nizar Habash, and Margarita Bicec. "The Margarita Dialogue Corpus: A Data Set for Time-Offset Interactions and Unstructured Dialogue Systems." In Proceedings of The 12th Language Resources and Evaluation Conference, pp. 476-484. 2020.

Science Outreach: Created the exhibition "Humans and Machines" in New York City to educate the public about Artificial Intelligence and its social and ethical implications.

UNIVERSITY OF MILAN BICOCCA

Master of Science in Statistics and Financial Engineering

MILAN, ITALY

September 2008 – February 2011

Laurea Magistrale, capstone project on using Extreme Value Theory to model insurance claim size distributions.

UNIVERSITY OF MILAN

Bachelor of Science in Physics

MILAN, ITALY

September 2004 – April 2008

Laurea, capstone project on aligning short DNA fragments in liquid crystal form under strong magnetic fields.

OTHER ACCOMPLISHMENTS

- Built ML products in different industries: retail banks, AI, academia, marketing, gaming, and forex trading.
- Led teams of 5-7 rotating undergraduate students developing research and production software to record and interact by voice with video memories.
- Freelanced as Product Manager for TopTal, the network of the top 3% of talent.
- Developed data engineering and ML microservices as Python, Flask, and FastAPI APIs and deployed them as Docker containers in Google Cloud or AWS ECR through GitHub actions.
- Led a cross-functional team of 6 (marketing, product, business, and software engineers) to design and implement an AI tool to help small businesses build strong business cases when applying for public funds at a sovereign fund in the Middle East.
- Led the implementation of an industry-leading insurance claims handling chatbot with my team at Spixii. It saved Zurich Insurance UK \$1.5M in human capital expenses, increased their NPS from 65% to 78%, and won them the Innovative Use of Technology award at the British Claims Awards in London.

LANGUAGES: English (fluent), Italian (native).

OTHER EDUCATION: Part-qualified Actuary, completed all core technical subjects (Faculty & Institute of Actuaries).

INTERESTS: Writing (authored a book on AI and ethics), HIIT training, food and wine discovery, religions, and philosophy.