

OSCAR A TREVIZO

AI/ML Analytics Consulting Leader | Data Science & Revenue Growth | IEEE Life Senior Member
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CAREER SUMMARY

Analytics consulting leader who partners with technology executives to prove the ROI of AI/ML investments, scale data-driven revenue, and transform how operators compete. Delivered multi-million-dollar outcomes across U.S. and Canadian operators: designing experiments, building models, and translating rigorous analysis into decisions executives act on. Validated by a **Harvard University** Graduate Certificate in Data Science (GPA 4.0) and **IEEE Life Senior Member** distinction.

- **Scale:** Led analytics engagements across U.S. Tier-2 operators and Canada, managing a revenue portfolio of approximately \$10M annually spanning 5G, AI, and data products.
- **Revenue:** Drove wins from ROI calculation to executive storytelling, including a \$500K ML engagement and MVP recognition at a major Nokia Canada operator event in 2025.
- **Transformation:** Pioneered Nokia's 5G analytics practice, architected AI energy efficiency proof-of-concepts for major operators, and built data products that turned siloed telco data into board-level strategy.

WORK EXPERIENCE

Advisor | Human Scale AI 2026 – Present

I advise HuScAi on strategy and development. HuScAi is an interdisciplinary venture focused on Human-Centered AI, operating in stealth mode as it advances enterprise innovation across product, service, and experience portfolios.

Visiting Professor | DeVry University, College of Engineering and Information Sciences 2011 – Present

Visiting professor covering AI, machine learning, data science, data engineering, Python, electronics, mobile security, signal processing, and statistics.

Analytics Consulting Leader | Nokia Cloud & Network Services 2016 – 2026

Led customer-facing AI/ML analytics engagements for major U.S. and Canadian operators, directing cross-functional teams across network optimization, energy efficiency, and customer experience. Authored annual win plans and strategy for U.S. and Canadian analytics portfolio.

- **Quantified AI energy efficiency ROI:** Designed and executed controlled statistical experiments to prove AI-driven energy savings for major operators, projecting approximately \$400K in savings per year for a typical 20,000-cell Tier-2 network.
- **Achieved \$10M annual revenue target:** Owned and met an annual revenue target of approximately \$10M across U.S. and Canadian accounts, covering 5G, autonomous networks data products, AI analytics, and contract renewals.
- **Won Nokia's first 5G Data Analytics Function solution in North America:** Led commercial, technical, and requirements development for a major U.S. operator, contributing to a multi-million-dollar Autonomous Networks win.
- **Architected enterprise BI platform:** Designed and deployed a full-stack BI solution integrating Salesforce CRM, SQL, Jira REST APIs, and SharePoint Lists into Power BI; adopted globally for SPS Governance and Monthly Business Reviews.

Product Manager, Strategy & Business Intelligence | Alcatel-Lucent 2006 – 2016

Led market intelligence, product strategy, and competitive analysis across NGN/IMS and RF optimization portfolios, translating technical advantages into revenue outcomes for telecom operators worldwide.

- **Partnered with leading industry analysts:** Collaborated with top-tier peers on market sizing, shipment data, and trend analysis; applied rigorous cross-referencing to validate and correct market share data, improving accuracy and business credibility.
- **Developed global RF cost model:** Designed and rolled out the RF Services Cost Model globally, delivering a targeted 5% direct cost reduction.
- **Led strategy analysis for senior leadership:** Applied BCG portfolio matrix, Porter's Five Forces, and perceptual mapping to assess competitive dynamics and market positioning.

Progressed from R&D engineer through product management across 3G Packet Core (SGSN, GGSN, Media Gateway) and Internet Telephony, leading multi-million-dollar programs globally.

- **Patent:** Co-invented early VoIP/unified communications architecture for receiving calls during active Internet sessions (U.S. Patent Application, Lucent Bell Labs, 1999), anticipating modern presence-based call routing.
- **Drove product to commercial deployment:** Led the 7R/E MSM circuit-to-packet product from concept through commercial launch; received Lucent Gold Award (1999).
- **Contributed to multi-million-dollar Packet Core wins:** Supported major UMTS contract wins globally through product management and cross-functional team leadership.

EDUCATION

Harvard University – Graduate Certificate, Data Science (GPA 4.0 / 4.0) Cambridge, MA

Graduate-level coursework: statistical learning, computational statistics, Bayesian modeling, Python, R, SQL, ML, time series, NLP, and data visualization.

Illinois Institute of Technology (Stuart) – MBA in Technology Management (GPA 3.9 / 4.0) Chicago, IL

Georgia Institute of Technology – MS in Electrical Engineering (MSEE) (GPA 3.7 / 4.0) Atlanta, GA

University of Illinois at Chicago – BS in Bioengineering (GPA 3.4 / 4.0) Chicago, IL

EXPERTISE & PORTFOLIO

- **AI/ML analytics:** network optimization, energy efficiency, ESG (Nokia-certified in sustainability and energy efficiency analytics)
- **Programming:** Python, R, C/C++, Java
- **Data tools:** Jupyter, RStudio, Spyder, Power BI, Tableau, GitHub
- **BI integration:** Power BI with Salesforce CRM, SQL, Jira REST APIs, and SharePoint Lists
- **Data mesh and analytics enablement:** Nokia AVA Data Suite (Autonomous Networks)
- **GitHub:** github.com/otrevizo – Python ML (regression, classification, neural networks, clustering, time series); R statistical modeling
- **Microsoft Azure:** learn.microsoft.com/en-us/users/otrevizo – 57 badges, 14 trophies across cloud, data, and AI disciplines

RECOGNITIONS, AWARDS & PRESENTATIONS

- **IEEE Life Senior Member (January 2026):** sustained professional achievement and lasting technical contributions to the engineering community.
- **MVP, Most Votes for Best Demo and Presenter, Nokia Amplify Canada 2025:** Nokia event hosting Rogers, TELUS, and Bell Canada. Golden trophy and recognition jacket.
- **Lucent Gold Award (1999):** successful commercial deployment of the MSM circuit-to-packet platform.
- **Patent:** "Reception of Incoming Calls by Internet Users" – U.S. Patent Application, Lucent Bell Labs, 1999. Named inventor on early VoIP/unified communications architecture.
- **"Automation Analytics: From Data Observability to AI Innovation."** Demo Presenter, SCTE 2025, Washington D.C., September 2025.
- **"From Data Observability to AI Innovation."** Amplify Canada 2025, Toronto, May 2025.
- **"AVA AI-driven Sustainable Networks."** Big 5G Event 2023, Austin, TX, May 2023.
- **CeBIT Hannover, Germany:** circuit-to-packet transition solutions. February 2000.