

**Enkeleda Çuko, Ph.D.**  
637 Salvia Ln, Guilderland NY 12303  
Tel: 845-233-1029 Email: ktcuko@gmail.com

## Professional Profile

---

Visionary AI/ML Leader driving innovation across industries with a proven track record of delivering transformative Gen AI solutions. Expertise in Advanced Analytics, Machine Learning (AI/ML), NLP, and MLOps. Adept at leading cross-functional teams and steering Gen AI implementations for Fortune 500 clients. Committed to propelling data-driven decision-making and amplifying growth through cutting-edge technologies.

## Core Leadership Skills

---

- **Strategic Vision:** Crafting visionary AI/ML strategies that redefine business paradigms and lead organizations to the forefront of innovation.
- **Collaborative Leadership:** Orchestrating seamless collaboration among cross-functional teams, fostering synergy, and unlocking collective potential.
- **Business Transformation:** Driving transformative change by leveraging AI/ML to optimize operations, fuel growth, and enhance decision-making.
- **Innovative Problem-Solving:** Unraveling complex challenges and translating them into actionable AI/ML initiatives that yield tangible outcomes.
- **Client Engagement:** Leading conversations with Fortune 500 CPG Retail clients, guiding solution implementation, and providing best practice insights.
- **Pipeline Growth:** Collaborating with global sales teams to land and expand AI/ML deals, generating significant YoY growth.

## Core Technical Skills

---

- **Gen AI Solutions:** Conceptualization, Implementation, Best Practices
- **Machine Learning (AI/ML):** Bayesian Methodology, Linear/Logistic/Poisson Regression, Classification Trees, Random Forests, Time Series Analysis (BSTS/ARIMA/SARIMA)
- **Natural Language Processing (NLP):** Text Mining, Sentiment Analysis, Named Entity Recognition
- **MLOps:** Model Deployment, Monitoring, Scalability
- **Data Visualization:** R (Shiny, Markdown, Scripts), Python (NumPy, SciPy, Pandas, Matplotlib)
- **Multilingual:** Albanian / English / Greek / Italian

## Education and Qualifications

---

**Ph.D., Data Science-** Harrisburg University of Science and Technology, Harrisburg, PA  
**M.S., Biostatistics-** State University of New York, Albany, NY  
**B.S., Mathematical Statistics-** State University of New York, New Paltz, NY

## Career Summary

---

### **Assistant Vice President, AI/MLOps**

*Genpact, NY | 02/2022–Present*

#### *Outline*

An integral part of the AI/ML practice team delivering Advanced Analytics, Machine Learning, NLP/Text Mining, and MLOps full-stack solutions for a Global Analytics business of ~\$1Bn.

#### *Key Responsibilities*

- Pioneered transformative Gen AI solutions, Advanced Analytics, ML, NLP/Text Mining, and MLOps for a ~\$1Bn Global Analytics business.
- Led conversations with Fortune 500 CPG Retail clients, implementing Gen AI solutions and driving best practices.
- Orchestrated collaborative ventures across diverse sectors (Consumer Goods, Retail, Lifesciences, Healthcare, Banking, Insurance) to identify and deploy innovative AI/ML solutions.
- Fueled ~25% YoY growth in the AI/ML pipeline through a strategic partnership with the global sales team.

### **Lead Principal Supply Analytics, Supply Chain**

*Regeneron Pharmaceuticals Inc., Rensselaer, NY | 04/2018–01/2022*

#### *Outline*

Serving as the subject matter expert and primary liaison for analytical requirements across diverse domains within the Supply Chain spectrum, including Planning and Reporting, Product Management, and the intricate realms of Structures, Materials, and Components. Innovatively crafting end-to-end interactive dashboards that seamlessly fuse cutting-edge statistical models with the power of machine learning technology.

#### *Key Responsibilities*

- Spearheaded end-to-end interactive dashboards merging statistical models and ML technology for Supply Chain optimization.
- Championed Agile Methodology adoption to address immediate analytical challenges, including navigating the complexities of COVID-19.
- Achieved a remarkable 65% forecast accuracy enhancement, aligning global product demand with strategic imperatives.
- Engineered a robust analytical methodology for enhancing Clinical Product lead time accuracy by 45%.

### **CEO – WBE Certified**

*Enkeleda Çuko Statistical Consulting, Ltd, Guilderland, NY | 12/2011 – Present*

#### *Outline*

Pioneering the establishment of a Certified Women Business Enterprise, leading a dynamic and agile team focused on delivering exceptional excellence across the spectrum of Statistical/Analytical & IT

services. Our dedicated collective specializes in harnessing the power of statistics, driving innovation in software development, and delivering unparalleled customer service that sets new industry standards.

#### *Key Responsibilities*

- Visionary founder of a Certified Women Business Enterprise, driving impactful Statistical/Analytical & IT services.
- Developed and executed a comprehensive business model, catering to diverse industry needs and driving continuous innovation.
- Customized products, fostering a dynamic learning environment within a collaborative team.

### **Senior Manager / Director - Data Analytics**

*Karl Heiner Statistical Consulting, Ltd, Schenectady, NY | 03/2007 – 03/2018*

#### *Outline*

Steering the ship as Manager, subsequently elevating to Director of Analytics, orchestrating and championing strategic initiatives aimed at optimizing data and analytical processes. Holding the reins of responsibility for actively engaging stakeholders, delving deep into their business requirements, and meticulously architecting a comprehensive roadmap for a resounding success.

#### *Key Responsibilities*

- Directed and evaluated teams of senior analysts, amplifying analytical project success and user accessibility.
- Pioneered automated analytical processes, elevating end-user access to over 90% through interactive dashboard design.
- Revolutionized Customer Analytics, orchestrating advanced statistical modeling and optimization initiatives.
- Enriched data accessibility and visualization via cross-functional collaboration.

### **Statistical Analyst, Market Research**

*Market Certitude, LLC, Morristown, NJ | 03/2006 – 03/2007*

#### *Outline*

Leveraging my expertise as a Statistician within a specialized market research firm focused on the pharmaceutical industry. Steering the statistical analysis of major players across diverse dimensions of the pharma landscape, spanning pivotal clinical phases to the zenith of commercialization. Cultivating direct and impactful client relationships with industry giants such as AstraZeneca, Roche, Pfizer, and Bristol-Myers Squibb.

#### *Key Responsibilities*

- Led statistical analysis for pharma market research, collaborating with industry stalwarts.
- Designed and executed an array of statistical models, empowering data-driven decision-making.
- Supported research proposals, data collection, processing, and analysis for diverse market research projects.

## Teaching Experience

### *Outline*

Guiding and shaping the minds of an extensive cohort, surpassing 150 students per semester, as an Instructor in the domain of Statistics for Economics and Applied Mathematics in Finance. Commanding the classroom through invigorating lectures and engaging seminars, meticulously curating coursework that encapsulates the essence of the subjects. Undertaking the crucial task of assessing student advancement through comprehensive examinations and scholarly paper assignments, contributing to their intellectual growth and development.

### **Visiting Professor of Quantitative Business Analysis**

Siena College, Loudonville, NY | 08/2015 – 05/2016

### **Adjunct Professor of Statistics for Economics**

SUNY at New Paltz, New Paltz, NY | 08/2001 – 05/2015

## Research and Academic Achievements

---

My enduring commitment to research and my unrelenting pursuit of academic excellence stand as hallmarks of my dedication to making transformative contributions to the fields of statistics and public health.

Showcasing a distinguished array of Research and Academic Achievements that embody my commitment to pioneering advancements in statistical and public health domains:

- **Pioneered Insights in HIV Suppression:** Spearheaded an illuminating study dissecting interactions among risk factors in HIV suppression, earning recognition at ASA Women in Statistics, NC, 2014.
- **Quality-of-Care Paradigms:** Crafted a groundbreaking Graduate Project at SUNY Albany (2010) comparing Cold-Deck and Multiple Imputation with the potency of the Bayesian Model for quality-of-care indicators, unlocking new dimensions in healthcare assessment.
- **Impactful Pediatric Research:** Master's Project (SUNY Albany, 2006) delved into the realm of C-section births and its implications on childhood asthma, garnering insights that resonate within the medical community.
- **Dynamic Role at NY State Dept. of Health:** As a Research SAS Analyst/Intern at the New York State Department of Health (October 2005 – May 2006), I orchestrated an extensive array of critical functions. This included conducting exhaustive literature reviews on pivotal public health matters and strategies, actively contributing to the development of data collection tools, and conducting meticulous data analysis using SAS. This multifaceted role culminated in the formulation of robust recommendations aimed at curbing childhood asthma, with findings derived from the comprehensive analysis of ICHIS dataset.