

# Cristian Sanchez Arenas

Cincinnati, OH

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## WORK EXPERIENCE

### **FEG Investment Advisors**

**Cincinnati, OH**

*Senior Portfolio Management Analyst*

*Mar 2025 – Present*

- Build and deploy AI/ML tools (LLMs, NLP, predictive models) for portfolio oversight, reducing manual work 35%.
- Develop production-grade pipelines (Python, SQL, Airflow) for analytics and model training.
- Develop GenAI solutions for automated portfolio commentary and market analysis using LLMs and NLP.
- Lead end-to-end development of internal portfolio systems and tools, built from scratch and scaled across users.
- Implement anomaly-detection models to identify unusual exposures, improving accuracy 80%.
- Apply secure development practices (access control, SIEM monitoring, endpoint protection) for all internal tools.
- Train junior analysts on AI, data engineering, and secure model deployment.

### **Colliers**

**Cincinnati, OH**

*Research Analyst*

*Apr 2024 – Mar 2025*

- Built LLM app for automated CRE insights, increasing output speed 4×.
- Created PySpark ETL pipelines processing 2M+ monthly data points; reduced reporting time 50%.
- Automated PDF/OCR ingestion with CV tools (OpenCV, Tesseract), saving ~20 hours/week.
- Embedded cybersecurity controls (audit logs, data-quality checks) in pipeline workflows.
- Delivered team workshops on AI automation and secure tool usage.

### **ArLa Capital**

**Zurich, CH**

*Senior Investment Associate*

*Feb 2022 – Apr 2024*

- Built automated reporting engine with audit-ready logs, cutting month-end close 45%.
- Developed ML-driven macro and allocation models to support investment decisions.
- Engineered secure APIs for data ingestion with NIST-aligned safeguards.

### **Citi**

**Mexico City**

*Investment & Product Analyst*

*Jun 2020 – Feb 2022*

- Developed Python-based automation tools for portfolio monitoring, increasing reporting efficiency by 22%.
- Led the technical rollout of BlackRock Aladdin across Wealth Management & Private Banking, training 80+ investment professionals.

## EDUCATION

**University of Colorado Boulder, College of Engineering and Applied Science**

**Boulder, Co**

*Master of Science in Computer Science*

*Expected Aug 2027*

- **Relevant coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Generative AI, NLP, Networking and Cybersecurity
- Cumulative GPA: 4.0/4.0

**Escuela Bancaria y Comercial – EBC**

**Mexico City**

*Bachelor of Science in Finance and Banking*

*Class of 2020*

- GPA: 3.8/4.0

## TECHNICAL SKILLS

**Languages:** Python, SQL, Java, C++

**AI:** ML, LLMs, NLP, Scikit-learn, Deep Learning, LangChain, Predictive Modeling

**Cybersecurity:** SIEM analysis, incident response, endpoint protection, access control, vulnerability mitigation

**Data & Tools:** Pandas, NumPy, PySpark, Airflow, Git, Power BI, OpenCV, Aladdin

**Cloud & Infrastructure:** AWS, Azure, Docker, CI/CD, API Development

## ADDITIONAL INFORMATION

**Certifications:** Jr Penetration Tester – TryHackMe (Credential ID: THM-OIEMOBENH4)

**Languages:** Fluent in Spanish and English