

Ana Carolina Fontes Ferreira

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EDUCATION

M.Sc. in Risk Management – Finance Track

Queens College, CUNY, New York, NY Aug 2024 – May 2026 (expected) GPA: 3.9/4.0

B.Sc. in Chemical Engineering

Viçosa University Center (UNIVICOSA), Minas Gerais, Brazil Jan 2014 – Dec 2020

TECHNICAL SKILLS & CERTIFICATIONS

Tools & Languages: R · Excel · Bloomberg Terminal

Certifications: Bloomberg Market Concepts · Project Management for Engineers & Technicians

PROFESSIONAL EXPERIENCE

Financial Analyst Intern- Payroll & Cost Analysis

T-Rex Consulting – New York, NY | Aug 2025 – Present

- Conduct weekly labor cost financial analyses for a mid-sized client, identifying key cost drivers (shift structures, overtime, and leave utilization) and delivering actionable insights that helped reduce total labor expenses.
- Consolidate and present analytical findings through clear financial reports and executive summaries, enabling senior leadership to evaluate workforce performance and optimize resource allocation.
- Developed a three-year payroll forecast model leveraging historical trends and financial growth assumptions to support contract pricing and negotiation for a major client agreement, enabling the client to anticipate labor costs under multiple expansion and inflation scenarios.
- Utilized advanced Excel modeling (pivot tables, VLOOKUP, IF formulas, and stress tests) to reconcile payroll data, automate variance reports, and improve forecast accuracy.
- Supported the implementation of a new sick-leave accrual system, enhancing payroll precision, transparency, and audit readiness across all departments.

Quality Control Engineering Intern

Dairy Industry, Porto Alegre & Ponte Nova, Brazil Jan 2018 – Dec 2018

- Conducted physicochemical & microbiological analyses, assessing compliance risks and ensuring adherence to GMP and food safety regulations.
 - Collaborated with cross-functional teams to identify process deviations, implemented target corrective actions, reducing variability and minimizing compliance risks.
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ACADEMIC PROJECTS

- **Financial Econometrics:** Built ARIMA models in R to forecast asset returns.
 - **Corporate Finance:** Developed dividend-discount valuation model for public equities.
 - **Risk Measurement:** Calculated VaR for simulated portfolios and proposed mitigation strategies.
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LANGUAGES & SOFT SKILLS Languages: English (Fluent) · Portuguese (Native)

Soft Skills: Critical thinking · Adaptability · Team collaboration · Attention to detail