ROGER ARISTIZABAL

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TECHNICAL SKILLS

Technical Languages: Python, SQL, JavaScript, VBA, R
Data & Analytics: SQL, Python, Pandas, NumPy, Scikit-learn, Excel, Tableau, Power BI, AWS QuickSight, Matplotlib
Web / Backend: React, Node.js, REST APIs, HTML/CSS, Bootstrap, PostgreSQL, MongoDB, Oracle SQL, AWS
Design: Adobe Creative Suite (Photoshop, Illustrator, InDesign, Lightroom, Premiere Pro), MS Office

PROFESSIONAL EXPERIENCE

Middesk — Manhattan, NY
Entity Operations Analyst (Contract) — Nov. 2025 – Dec. 2025

- Built and optimized JavaScript and SQL-driven internal tools to resolve edge cases in automated entity-verification pipelines, improving data accuracy and reducing manual review workload
- Partnered with Product and Engineering to debug data inconsistencies and refine verification logic in production workflows
- Queried and reconciled multi-state entity data across internal databases and third-party systems to support business onboarding at scale

Applause — Manhattan, NY
Quality Assurance / Data Collector (Contract) — Sep. 2025 – Oct. 2025

- Collected and validated data from 50+ smart devices daily for confidential MAANG-level technology clients, maintaining 100% data accuracy and integrity
- Trained and mentored 5+ new team members, standardizing QA workflows and improving team productivity by 25%

PricewaterhouseCoopers (PwC) — Manhattan, NY
Risk Modeling Services: Life Associate — Sep. 2024 – Oct. 2024

- Performed data-driven recalculations using SQL and Excel, validating complex financial datasets through AWS QuickSight dashboards
- Built and maintained a VBA-based group reinsurance product model supporting financial projections for a $250M line of business

The Juilliard School — Manhattan, NY
Web Developer — Jun. 2024 – Aug. 2024

- Designed Excel VBA dashboards to track FY24 grants and donations, improving reporting efficiency and data-driven fund allocation
- Built SQL queries and Python-based pipelines to extract, clean, and integrate multi-source data into dynamic web dashboards, reducing manual data handling by 30%
- Assisted in the development and maintenance of the school's official website using HTML, CSS, and JavaScript

PricewaterhouseCoopers (PwC) — Manhattan, NY
Risk Modeling Services: Life Intern — Jun. 2023 – Aug. 2023

- Automated Variable Annuity UMA testing using Excel VBA and applied Martingale and Black–Scholes models, reducing processing time by 20%
- Led a SQL-driven dashboard project for a life insurer, cutting manual reporting time by 35% and presenting insights in client meetings
- Created interactive Tableau and Power BI dashboards for executive and client-facing presentations

Bloomberg Philanthropies & Studio Institute — Manhattan, NY
Marketing & Development Intern — Jun. 2019 – Aug. 2019

- Collaborated on a grant proposal that secured $150,000 in funding from M&T Bank for a nonprofit experimental theater organization
- Supported budgeting and timeline development for 5+ active grant proposals under the Director of Development

EDUCATION

Hofstra University — Hempstead, NY
Bachelor of Science in Mathematics, Actuarial Science Track — May 2024
Scholarships: New Opportunities at Hofstra (NOAH) Scholar, Joseph G. Shapiro Music Scholarship

LANGUAGES & LEADERSHIP

Languages: English (Native), Spanish (Native), French (Intermediate), Russian (Basic)
Leadership: Founding President (Gamma Iota Sigma), Alumni Chair (Bottom Line National Student-Alumni Advisory Committee), Modeling the Future Challenge Judge (The Actuarial Foundation), Financial Team Chair (Hofstra NOAH Advisory Council), Principal Horn (Hofstra Symphony Orchestra & Concert Band), Treasurer (Hofstra MotorSports Engineering Club)