ERROL E. ELBASAN

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EDUCATION

New York University, Master of Science, Computer Engineering   **New York, NY**
Concentration in Artificial Intelligence / Machine Learning   May 2027

New York University, Master of Business Administration (MBA)   **New York, NY**
Specializations in Quantitative Finance, Banking, Accounting   Aug 2025

New York University, Bachelor of Science, Computer Engineering   **New York, NY**
Minor in Bio-Molecular Engineering   May 2016

RELEVANT COURSEWORK

Relevant Coursework: Python and Software Development, Game Programming, Software Engineering, Data Structures and Algorithms; *Fall 2025*: Machine Learning, Probability and Stochastics; *Spring 2026*: Deep Learning, Advanced ML

SKILLS

Coding Languages: Python, JavaScript, Java, C#, C++, C, VBA, SQL
Libraries: NumPy, Pandas, Plotly, Matplot, Sklearn, Pytorch, Requests, Beautiful Soup, Flask, Pygame, AngularJS, .NET
Tools: Git, Docker, PowerBI, Excel, Colab

PROJECTS

Turn-based 2D Strategy Video Game   **May 2016**
- Developed a turn-based 2D strategy game with C++ and OpenGL, featuring advanced damage models and a basic AI built to challenge players

Travel Website   **May 2016**
- Developed an Instagram-like website with photo and geo-location sharing capabilities using a combination of PHP, JavaScript, and CSS for the front-end
- Created documentation for the backend SQL server and implemented the database system along with queries

Donor Data Scraper Website/PDF   **May 2016**
- Worked on a team of four to develop a platform to help increase donations to a non-profit organization, utilizing Python, Scrapy, SQL, and a web-based front-end
- Established an agile process to gather client requirements, which led to the development of SDLC documentation

EXPERIENCE

CITIGROUP   **New York, NY**
Vice President, Capital Markets Data Analyst   *Feb 2024 – Feb 2025*
- Spearheaded agile-driven initiatives to develop interactive dashboards, prioritizing usability through wireframe mockups and user testing, leading to increased funding identification by 20% and enhanced executive decision-making
- Developed and implemented funding solutions leveraging predictive analytics and financial modeling, optimizing capital-raising strategies, and reducing interest expenses by $5M+ annually

Vice President, Regulatory Data & Governance Operations Analyst   *Jun 2021 – Feb 2024*
- Established an automated process to gather and analyze data on past regulatory engagements to provide predictive insights to senior management on potential areas of concern, resulting in reduced regulatory risk
- Conducted thorough analysis and created test cases for the investment portfolio data in Excel to ensure proper asset classification and reporting accuracy, resulting in fewer audit exceptions

SCOTIABANK   **New York, NY**
Senior Analyst, Program Manager – Risk & Data Analytics   *Nov 2018 – Jun 2021*
- Developed dashboards for the sales team by analyzing Salesforce data to identify client product affinities, optimize cross-selling strategies, and evaluate sales performance, leading to an increase in transparency and revenue generation
- Leveraged SQL databases to consolidate and track progress across over 20 cross-functional teams during a $300M business transformation initiative, reducing the time required to produce status reports for executive management

AMERICAN INTERNATIONAL GROUP (AIG)   **New York, NY**
Senior Analyst, Software Engineer   *Jul 2016 – Nov 2018*
- Enhanced IAM (Identity and Access Management) and security protocols for the investment portfolio web application by updating C# code and creating unit tests to mitigate cybersecurity risks like data breaches
- Collaborated with development teams to design a new system architecture for migrating legacy platforms to Microsoft Azure SaaS using Docker and .NET, reducing operational costs by eliminating on-premises servers