

NICHOLAS A. ELIA

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SUMMARY

Finance and Computer/Data Science specialist with professional experience in multiple financial and technological settings. Hard-working, inquisitive, and enthusiastic. Strong interest in the quantitative investment field and eager to take on challenging opportunities to further develop and apply my finance background along with my technical programming and data analytics skills.

TECHNICAL SKILLS

- **Programming**
 - Python
 - Java
 - Excel VBA
 - Git
 - Bash & Batch
 - MySQL
 - SQL Server
 - MongoDB
- **Technical / IDEs**
 - IntelliJ IDEA
 - PyCharm
 - Visual Studio Code
 - Microsoft Power BI
 - Agile Methodology
 - Jupyter Notebook
- **Packages**
 - Pandas
 - NumPy
 - Matplotlib
 - TensorFlow
 - Scikit-Learn
 - Keras
- **General Concepts**
 - Data Analytics
 - Functional Programming
 - Object Oriented Programming

RELEVANT COURSES

- Fundamentals of Computer Science 1 & 2
- Financial Data Analytics with Python
- Machine Learning in Finance
- Object Oriented Design
- Database Design

ACTIVITIES

- Disrupt - The FinTech Initiative
- Finance and Investment Club
- The Quants Club
- Strategy in Action Senior Capstone Project
- NU Downhillers
- Sigma Phi Epsilon

INTERESTS

- SCUBA Diving
- Alpine Skiing
- Surfing
- Jazz & Funk Drums
- Cycling
- Tennis

RELEVANT EXPERIENCE

OMS Trading Integration Data Analyst

June - December 2020

Eze Software Group, LLC (SS&C Eze)

Boston, MA

- Created and managed over 500 FIX connections between buy-side and sell-side client accounts using a custom suite of Salesforce products.
- Collaborated with the Business Development team to help acquire more than 45 new buy-side clients, assisting with client implementation, onboarding, and training of their Eze Investment Suite products.
- Designed several division-wide Microsoft BI Dashboard views and integrated them with internal Snowflake database objects.
- Worked directly with clients, brokers, and third party networks to initialize, enable, and test FIX connections for their Eze OMS and EMS.
- Presented weekly live video D-Station portal demos and tutorials to both investors and broker dealers.

Business Solutions Group Data Analyst

July - December 2019

HedgeServ Corporation

New York, NY

- Identified and streamlined technical inefficiencies and risky processes using the Agile methodology in systems relating to business operations by coordinating with developers, middle office, and upper management.
- Wrote client-specific code to design, build, and optimize over three dozen data reconciliations and ETL procedures involving post-trade big data files using Python Pandas and NumPy libraries, saving over 2 hours of Middle Office's manual work per day for each individual process.
- Designed and implemented advanced application SQL statements used by the CTO for an ongoing internal database conversion project.
- Built dynamic custom financial reports involving clients' positions, transactions, cash flows, and tax lots using internal data and Excel VBA to fulfill client requirements on a daily, monthly and quarterly basis.
- Wrote and maintained an internal Python package to communicate with a large SQL database including documentation and unit testing to ensure expected functionality and robust handling of upstream changes.

Securities Valuation Data Analyst

June - December 2018

Wellington Management Company

Boston, MA

- Ensured accurate oversight of pricing on held securities, such as Commercial Mortgage-Backed Securities and other complex investment products to validate proper analysis and verify pricing from vendors.
- Coordinated between internal and external stakeholders in the manual NAV process to confirm accurate price entries and to authenticate movements above fixed thresholds for investors' held mutual funds.
- Automated more than a dozen of required manual processes through the use of self-taught Excel VBA, saving over 15 hours each week.

EDUCATION

Northeastern University

May 2021

D'Amore McKim School of Business

Boston, MA

Bachelor of Science in Business Administration, Finance Concentration

Computer Science Minor

- GPA: 3.55