

DANA SEBASTIAN LEWIS

(845) 820-6672 ♦ dana.s.lewis@gmail.com

[LinkedIn: dana-sebastian-lewis](#) | [GitHub: dana-seb](#)

Experienced Financial Analyst and Python Developer

I am passionate about leveraging **technology** to drive business insights and enhance efficiency within **financial services**. With my educational background and experience, as an **credit risk analyst**, I believe my analytical skills and financial knowledge will equip me to achieve my career goals.

Licenses and Certifications

- **CFA® Program participant, CFA Institute**
Level II Candidate 2026
- **FINRA Securities Industry Essentials (SIE)**

Programming languages and Software Frameworks

- | | | |
|--------------|---------------------|-------|
| ▪ Python | ▪ Docker/Docker Hub | ▪ AWS |
| ▪ PostgreSQL | ▪ MS Excel | |
| ▪ GitHub | | |

Key Skills and Qualifications

- Has a strong level of detail and ability to work with complex instruments and time-sensitive transactions
- Understanding and knowledge of the *financial industry and fixed-income* capital markets
- Experience with front-end and back-end technologies (Python, SQL, JavaScript, HTML, and CSS)
- PostgreSQL database and technical skills
- Proficient in Microsoft Excel, Word, PowerPoint, and Outlook
- Bloomberg terminal

Work Experience

Pershing LLC – Jersey City, New Jersey

Credit Risk Analyst

2007 - 2008

- Responsible for assessing the credit risk of institutional clients fixed income portfolios, which included conducting due diligence on potential investments and monitoring risk exposure
- Gathered reports from various departments and assembled them into a packet for weekly Credit Committee Meetings
- Attended weekly Credit Committee Meetings where I took the meeting's minutes. Sent summary of the meeting to senior members of the organization to ensure that any existing and future risk was validated and communicated to the rest of the organization

Citigroup – New York, New York

Syndicate Contractor - Temporary

2006 -2007

- Provided support to advisors regarding syndicate procedures
- Reviewed and approved IPO Indicators of Interest (IOI's) for retail and institutional accounts
- Ensured compliance of all retail and institutional accounts who participated in Syndicate business
- Worked with system developers and resolved issues with Syndicate Management System

Valley National Bank – Wayne, New Jersey

Insurance Department - Temporary

2021

- Supported insurance department with data entry
- Resolved calls from car service/insurance companies and inputted data
- Received calls and followed up with customers on required paperwork and information

US Census 2020 – New Windsor, New York

Census Enumerator

2020

- Conducted interviews with residents in assigned areas by following stringent guidelines and confidentiality laws; explained purpose of census interview, elicited information via a script, and recorded data on forms
- Successfully persuaded residents to comply with census activities through effective management of residents' objections
- Planned work by reviewing assignment area to determine organization of neighborhoods and locate households for conducting interview

DANA SEBASTIAN LEWIS

(845) 820-6672 ♦ dana.s.lewis@gmail.com

- Recorded all data received from residence and reported the completed data forms to field supervisor
- Maintained records of hours worked, miles driven, and expenses incurred in the performance of duties

Amazon - Bronx, New York

Seasonal Sortation Associate - Delivery Station

2020

- Pick boxes and envelopes and place them on labeled rack
- Manage the receiving of truck deliveries and packages
- Operate carts, dollies, hand trucks and other moving equipment to move large quantities of merchandise
- Keep dock cleaned by sweeping and removing items from floor

Volunteerism

Ebenezer Baptist Church – Newburgh, New York

2019-2020

Volunteer Food Pantry

- Sort food items
- Direct patrons to food items and instruct the amount of items they may have
- Put unused non-perishable items back in closet

Salvation Army – Newburgh, New York

2013

Volunteer

- Swept floors of classrooms and wiped down classroom furniture
- Emptied, cleaned, and removed all waste and garbage containers
- Cleaned chalkboard if dirty

Internships

Panasonic Corporation – Secaucus, New Jersey

Logistics Intern

2009

- Created an application using MS Excel that optimized a clients orders by full container load to minimize shipping costs. The application was implemented to warehouse optimizer software and will shortly be used to optimize all channel partner orders
- Used Pivot Tables in MS Excel to locate consolidation opportunities across PNA organizations and presented findings to senior management
- Attended Q&A events with President, COO, and other senior management where I was able to gain a better understanding of the company and its managerial strategy

Praxair Incorporated – Danbury, Connecticut

Strategic Planning Intern

2002 - 2003

- Selected by this Fortune 300 Company and worldwide provider of industrial gases as a participant in two consecutive summer internship programs
- Utilized educational experience to create discounted cash flow models as an invaluable resource to accurately estimate company value and assist in the corporate financial decision making process.
- Performed market analysis on petrochemical and refinery plants, conducted trend and competitive analysis of core businesses and compiled analysis on global plant positions into cohesive reports for presentation to the division Vice President.

Finance and Financial Securities

▪ ***Fixed Income Securities and Fixed Income Valuation***

- **Bond Price and Yield to Maturity Relationship:** understand how a bonds price is related to its yield to maturity
- **Bond Pricing Methods:** able to price bonds using various approaches - single market discount rate or spot rates
- **Interest Rate Risk Measures:** understand the two measure of interest rate risk: duration and convexity
- **Calculating Bond Prices:** can calculate a bonds full/dirty price and its flat price
- **Matrix Pricing:** use matrix pricing to value thinly traded fixed income securities

DANA SEBASTIAN LEWIS

(845) 820-6672 ♦ dana.s.lewis@gmail.com

▪ **Equities and Equity Valuation Models**

- **Equity Valuation Models:** estimate a stocks value with the three primary models: Present Value (Free Cash Flow to Equity (FCFE) and Gordon Growth Model), Multiplier (P/E, P/S, P/CF), and Asset based models
- **Equity Margin Calculations:** identify when a margin call will take place from the initial margin requirement and maintenance margin
- **Monte Carlo simulation:** estimate a stock's value with stochastic process

Coding Languages and Database Management

▪ **Python coding language**

- Python skills such as data types and variable creation, math and comparison operators, conditional statements, for and while loops; the input function for converting user input, creating functions, list and dictionary comprehensions, ability to iterate over python common data structures and importing modules
- Object Oriented Programming (OOP): can create and initialize a class that has attributes and methods
- Experience with large data sets to develop statistical relationships
 - Simple and multiple regression
- Monte Carlo simulation for security valuation and risk analysis (VaR calculation)
- With Third-Party libraries I can load data from .csv or .xls file into a Pandas DataFrame to conduct data analysis like sorting and filtering, selecting data, and handling missing values

▪ **PostgreSQL**

- Database management skills with ability to build the architecture of a database system as well as the knowledge to help perform database analysis

Highlighted Projects

- Python
 - **Financial Formulas:** built reusable functions that compute a variety of financial calculations
 - **Library API:** built from Django and Django Rest Framework, that lists Finance and Computer Science books that I have read
 - **Stock Selection Game:** player selects an industry and tries to guess which company has performed best based on estimated yearly return
 - **Monte Carlo simulation:**
 - modeled interest rate prices as a dynamic input in estimating bond prices
 - calculated VaR (Value-at-Risk) for a market portfolio valued at \$1MM

Education

Temple University – Philadelphia, PA
Master of Science, Quantitative Finance

Current

Rutgers Business School – Newark, New Jersey
Master of Business Administration

2008 – 2010

Clemson University – Clemson, SC
Bachelor of Science

2003 - 2006

Temple University – Philadelphia, PA
Attended the university for freshman & sophomore years

2001 – 2003