

SAFFRON LIVACCARI

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EDUCATION

University of Pennsylvania

Masters of Environmental Studies

Concentration in Sustainability

Sept. 2020 – (exp) May 2022

Philadelphia

Stony Brook University

BSc (Hons) Applied Mathematics and Statistics

Concentration in Operations Research; Minor in Music

Magna Cum Laude; GPA 3.7/4.0; Women in Science and Engineering Honors Society

Aug. 2015 – May 2018

Stony Brook

PROFESSIONAL EXPERIENCE

The Water Center at Penn

Water Resource Data Analyst

Oct. 2020 – Present

Philadelphia

- Analyzed bacteria samples from the Schuylkill and Delaware River using Excel and Python
- Guided stakeholders and policymakers in Philadelphia and Camden towards the optimal projects centered around the goal for swimmable water quality

Invsto

Python Programming Internship

April 2020 – Aug. 2020

Remote

- Assisted a small international team in growing a fintech trading startup
- Lead programmer for data upkeep and loading, maintaining over 5,000 records
- Developed python code to read, upload, and check data in AWS Arctic

First Derivatives

Financial Consultant

June 2018 – Feb. 2020

New York

Bank of Montreal

Business Analyst for FXMM Operations

Nov. 2019 – Feb. 2020

Montreal

- Supervised daily USD/CAD reconciliation from BMO branch transactions for the Back-Office Project Deliver Team
- Investigated 500 potentially eligible clients using WSS, narrowing the list to 200 fully eligible clients for onboarding into BMO's Trade Management Online Confirmation System
- Targeted 70 out of scope trades by understanding MiFID trade regulations for European transactions

BNY Mellon

Data Analyst for KYC/AML CIP Remediation

Jan. 2019 – Oct. 2019

New York

- Collaborated with a team of ten analysts on a remediation project to adhere to new standards of KYC/AML Protocol
- Inspected a total of 21,000+ out of date client records by collecting reliable verification documentation
- Corresponded with 20 high profile BNY Mellon clients over email or phone to gather missing information

ScotiaBank

Risk Management Analyst

Sept. 2018 – Dec. 2018

New York

- Facilitated the Liquidity Stress Testing project (Regulation YY for Foreign Banking Organizations)
- Lead UAT tester for BAU monthly code releases within Tableau
- Prepared and executed test cases, compiling the results into excel-based reports for senior management
- Implemented parallel-run test cases during the Bank's migration of their Stress Testing solution from Tableau to Axiom, raising any defects for remediation prior to go-live

Turkana Basin Institute

Engineering Study Abroad Project

May 2017 – June 2017

Kenya

- Relocated 50 students from a collapsing school building to new classrooms built using an abandoned dormitory
- Managed the relocation project from start to finish (idea, design, planning, gathering resources, and implementation), executed with the cooperation of 5 locals
- Inspired tribe members to create instruments out of unwanted items and initiated a music club for the local school

SKILLS & INTERESTS

- Python, Excel
- Rock Climbing, Hiking, Classical Music