SCOTT S. CARVALHO
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WORK EXPERIENCE

State Street Global Markets, State Street Associates, Cambridge, MA
Quantitative Researcher / Programmer, 2021 – 2023

- A key member of a small team responsible for securities finance research in a highly rigorous and quantitative work environment. Responsible for helping drive financial indicator development and application research.
- Worked extensively across all aspects of indicator development from idea creation, research, backend, and deployment.
- Managed development of key products: custom benchmarking tool, portfolio investigatory tool, and automated research reporting. Spearheaded the code infrastructure move from MATLAB and Oracle to Python.
- Built and maintained indicator products used by some of the largest and most sophisticated institutional investors in the world. Provided clients with ideas and strategies on how to use the bank's products in investment decisions.
- Built investment models and communicated results to senior management. Mentored junior employees, and collaborated with industry leaders and academics to co-author a white paper on integrating securities lending and ESG
- Youngest presenter at two State Street Annual Research Retreats including 100+ clients

Professional Development Rotational Program, Boston, MA
Senior Associate, 2019 – 2021

- Rotated through four groups within Global Markets - Securities Finance Algorithmic Trading Group, Quantitative Risk, Currency Management, State Street Associates
- Built a real-time market monitoring dashboard using Python (dash package), HTML, CSS, JavaScript, and SQL

Fidelity Investments
Intern, Family Office Services, Boston MA, Summer 2018
Intern, Market Data Services, Merrimack NH, Summer 2017

- Provided data analysis and reporting for Portfolio Communications, Data Strategy, and Portfolio Analyst teams
- Led an independent project to automate market data reporting and searching using Splunk software.

Bentley University Service-Learning, Waltham, MA
Special Project Assistant, 2016 – 2018

- Designed and created a functional user interface for Bentley's Service-Learning and Civic Engagement Office to track 1,000+ students/year and 60+ community partners. Collaborated with professors and university staff.

EDUCATION

Northeastern University-Khoury College of Computer Sciences, Boston, MA
MS*,* Computer Science, January 2024-2025

Bentley University, Waltham, MA
BS*,* Major Finance, Minor Computer Information Systems, **cum laude**, May 2019

Vienna University of Economics and Business, Vienna, Austria
Exchange Student, Fall 2017

Bentley Investment Group – Waltham, MA
Energy Sector Analyst, Fall 2016 – Fall 2018

- Utilized Bloomberg Terminal and FactSet to develop/present stock pitches to 100+ member club and board

Activities: Varsity Men's Lacrosse, Club Hockey Team, Bentley Investment Group, Trading Society-CIO, Campus Ambassador, Parmenter Food Pantry

TECHNOLOGY SKILLS & CERTIFICATIONS

Technology Skills: Python, JavaScript, SQL, Git, GitHub, HTML, CSS.   Certifications: Bloomberg Market Concepts

PUBLISHED WORK

Whitmore, T., Carvalho, S., Wang S., (2021). Integrating ESG Considerations into Securities Lending. *The Risk Management Association*