SCOTT S. CARVALHO
124 Glezen Lane – Wayland, MA 01778

scottcarvalho71@gmail.com · Cell: (508)-686-6526 · GitHub: https://github.com/Scarvy

WORK EXPERIENCE

Northeastern University - Khoury College of Computer Science, Boston, MA
Teaching Assistant, CS 5001 – Foundations of Computer Science, September 2024 – Present
Teaching Assistant, DS 2000 – Programming with Data, Summer 2024
- Assist in teaching DS2000 to 130 students, guiding first-time Python users through foundational concepts.
- Support during lab sessions and office hours, addressing students' questions and challenges.

State Street Global Markets, State Street Associates, Cambridge, MA
Quantitative Researcher / Programmer, 2021 – 2023
- Responsible for driving securities finance research development and applications.
- Worked across all aspects of indicator development, from idea creation to research, backend, and deployment.
- Managed development of key product tools: custom benchmarking, portfolio investigatory, and automated reporting.
- Built indicator products used by some of the world's largest and most sophisticated institutional investors.
- 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.
- Mentored and managed junior employees on projects to improve internal research tools.

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, GPA 4.0, 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

Activities: Varsity Men's Lacrosse, Club Hockey Team, Bentley Investment Group, Trading Society-CIO

TECHNOLOGY SKILLS & CERTIFICATIONS

Technology Skills: Python, Java, 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*