

Jack Hughes

New York, NY, 10016

(914) 334-8163 | jackharrisonhughes@gmail.com

<https://www.linkedin.com/in/jack-hughes-neu/>

Project Portfolio: <https://jackharrisonhughes.squarespace.com/>

EDUCATION

BOSTON UNIVERSITY

Faculty of Computing and Data Science

Part-Time

Candidate for Master of Science in Data Science

New York, NY

April 2027

GPA: 4.0

NORTHEASTERN UNIVERSITY

D'Amore McKim School of Business + Houry College of Computer Science

Bachelor of Science in Business Administration

Concentration: **Financial Technology** Minor: **Data**

Boston, MA

SKILLS

Programming: Python (NumPy, Pandas, Flask, Scikit-learn, FastAPI), **Power Platform** (Power BI, Power Automate, Power Apps), Java, **SQL** (Snowflake, MySQL), VBA, **Javascript** (React.JS, Node.js)

Data Engineering: Databricks, Airflow, Jupyter Labs, BigQuery, Azure, AWS, Git, API Engineering

Analytical Skills: Advanced Excel, Financial Modeling, Alternative Investments Valuation, Risk Analysis

Professional Skills: Demoining, Executive Presentations, Public Speaking, Client Engagement, Project Management, Leadership

PROFESSIONAL EXPERIENCE

S&P GLOBAL – DOW JONES INDICES

Automation Manager

New York, NY

November 2024 – Current

- Led a team of developers and subject-matter experts to **win 1st place** in the i3 **AI Hackathon** with a **full-stack LLM driven document search tool** – selected **over 400 teams** and 1000+ participants by a panel of C-suite executives.
- Designed and deployed a **RAG system** that ingests, parses and semantically indexes **1000+** equity and multi-asset methodology documents, enabling natural-language search, variant detection, and automated editing at scale.
- Led the development of **Atlas, a full-stack application** centralizing **ETF launch and workflow tracking** - saving ~20 hours a week across 200+ global stakeholders.
- Delivered **30+ demos** worldwide to **1500+ stakeholders**, including the CEO, C-suite executives, and cross-divisional leaders.
- Developed **thousands of lines of production-grade Python code** to automate index rebalance predictions, migrate governance documentation from Atlassian Confluence, and refactor legacy scripts for modularity, scalability.

ALVAREZ & MARSAL

Forward Deployed Engineer – Private Equity

New York, NY

April 2023 – October 2024

- Launched a **Power BI dashboard and ETL System** for our Private Equity clients (**General Atlantic, SilverLake, Patient Square Capital**) adding an estimated **\$1M in revenue** by enhancing data analytics capabilities for equity client services.
- Automated and refined the Valuation Collection process with **Python scripting** and **Power Automate** to reduce quarterly completion time by **60 hours a quarter**.
- Constructed and maintained **data pipelines** using **Python, SQL, DBT, AWS (EC2, Lambda, S3)** orchestrated with **Airflow** for improved data integration with **Snowflake** and **PowerBI** platforms.

OCTUS

Business Intelligence Developer

New York, NY

July 2022 – March 2023

- Directed dynamic **PowerBI sales dashboards**, supporting the achievement of a **\$118M** business target.
- Queried via **SQL** on over **100M+** data points via **Snowflake**, optimizing queries to reduce processing time.
- Designed and executed **A/B testing** on Reorg's new bankruptcy algorithm features and UX, increasing client adoption.