

EXPERIENCE

ASSISTANT DIRECTOR - DATA SCIENTIST, MOODY'S ANALYTICS

NEW YORK CITY, JUL 2025 - PRESENT

- Architecting end-to-end automated analytics pipelines and applications that transformed raw internal data into scalable thought leadership products.
- Leading quantitative research across asset classes, including high-yield and structured finance, using Python and SQL to derive high-impact economic insights.
- Designing data-rich analytics frameworks to power product sales and customer success, translating complex credit risk modeling into actionable business strategy.
- Accelerating application prototyping and automated reporting by leveraging AI-assisted development tools like Cursor and Copilot.

DATA SCIENTIST & COMPUTATIONAL JOURNALIST

NEW YORK CITY, JUN 2023 - JUL 2025

- Engineered automated data collection systems via APIs and SQL databases, integrating disparate corporate and economic databases into unified analytical workflows.
- Pioneered data storytelling initiatives by decoding complex credit trends into narratives designed for both technical and non-technical stakeholders.
- Collaborated with lead financial analysts to conduct exploratory data analysis (EDA), shaping thought leaderships on global financial and economic trends.

DATA JOURNALIST, MOODY'S RATINGS

NEW YORK CITY, OCT 2021-MAY 2023

- Collaborated with financial analysts / credit rating officers in conducting exploratory data analysis to uncover financial and economic related insights and shape compelling views.
- Led the designers in creating creative data visualizations for research reports.
- Pitched, curated, and tested in-house chart templates and graphic generators.
- Spearheaded the - development of Graphic Library for internal data visualization training.

RESEARCHER, THE NEW YORK TIMES, REMOTE, OCT 2020 - JAN 2021

- Curated structured datasets from qualitative documentations, and collected data findings.

COMPUTATIONAL JOURNALISM FELLOW, APPLIED XL

REMOTE, JUN 2020 - DEC 2020

- Created data-driven visualizations based on the in-house clinical trial public database
- Assessed and validated datasets by conducting data analysis and interviewing field experts.
- Prototyped and designed automated data trackers.

EDUCATION

MASTERS IN DIGITAL JOURNALISM (STUDIO20, DIGITAL FIRST), NEW YORK UNIVERSITY, NEW YORK CITY, 2019- 2021

BACHELOR IN BUSINESS JOURNALISM, UNIVERSITY OF INTERNATIONAL BUSINESS AND ECONOMICS, BEIJING, 2015 - 2019

SKILLS

Data analytics and visualization (Python, SQL, Adobe Illustrator); Predictive Analytics; Credit and economics research; Cursor, Copilot; Storytelling, Communication; Prototyping; Customer engagement

ABOUT ME

A technical architect with a five-year track record of bridging the gap between raw data and audience-centric narratives. Expert in building automated analytics pipelines and scalable data products that transform complex credit and economic research into a strategic growth lever. Distinguished by a unique ability to lead cross-functional initiatives—from developing enterprise-wide visualization standards to engineering automated reporting applications—ensuring that data is not just processed, but serves as a compelling product in itself.