Jon Stelman

Conscientious, collaborative, and versatile Technical Data Product Manager and Data Scientist, with expertise rooted in education. Passionate about delivering data-driven insights to advance more equitable outcomes for all.

PROFESSIONAL EXPERIENCE

Renaissance Learning, New York, NY

Technical Data Product Manager, Ecosystem   January 2022 – Present
- Oversee data engineering operations and platform development for a cross-department data analytics warehouse.
- Architect data pipelines integrating databases and services for Sales and Revenue Operations, Marketing, and Product teams.
- Manage a small team of data engineers and analysts, to ensure clear and performant code on a CI/CD delivery pipeline.
- Create and improve new and existing data models and data pipelines using dbt alongside a Snowflake data warehouse.
- Head a professional development program to train employees on data analysis, privacy, and other topics.
- Interview stakeholders (data consumers and trainees) to assess how data products, training, and resources meet their needs.
- Lead paid and unpaid internships, managing projects, instruction, and growth opportunities for 21 student interns.

Data Scientist II, Learning Sciences & Innovation   June 2020 – January 2022
- Analyze difficulties and sequencing of instructional resources to ensure an effective and smooth learning path.
- Inform key business strategy partnership and acquisition decisions related to ML technologies and research.
- Lead the first "Shark Tank" competition, with over 50 submissions, as part of an initiative to drive workplace innovation.

Data Scientist I, Learning Sciences & Innovation   January 2018 – June 2020
- Operationalize student mastery algorithms that layers ML approaches with traditional psychometric methodologies.
- Conduct ad-hoc studies on equating assessments, practice and instructional efficacy, and assessment design enhancements.

Intern, Learning Sciences & Innovation   April – December 2017
- Research, prototype, and develop ML student scoring algorithms used to drive student mastery recommendations.

Teaching

STEM Activity Specialist – *NYC Mission Society, New York, NY*   September 2016 – June 2017
- Develop and implement a STEM enrichment curriculum for middle school students using LittleBits and Lego Mindstorms.
- Facilitate and assess students' progress and proficiency with hard and soft computer science skills.

Private Tutor – *Self-Employed*   2015 – 2018
- Provide individualized instruction for over fifty students in physics, precalculus, English, and SAT preparation.

Physics Teacher – *Pompton Lakes High School, Pompton Lakes, NJ*   2012 – 2015
- Teach AP Physics, Honors Physics, General Physics, Principles of Chemistry and Physics, and Integrated Science.
- Lead curriculum development for all physics course offerings, realigning curricula to NGSS and AP guidelines.
- Founder and Advisor of Environmental Club. Volunteer for many arts-related extracurricular activities.

EDUCATION

Columbia University, Teachers College – *New York, NY, GPA: 3.96*   May 2018
Master of Science in Learning Analytics
Select Coursework
- Core Methods in Educational Data Mining
- Learning Analytics: Process and Theory
- Multidimensional Scaling and Clustering
- Managing Educational Data
- Human Cognition and Learning
- Psychological Measurement
- Instructional Design of Educational Technology
- Theory and Programming of Interactive Media

Susquehanna University – *Selinsgrove, PA, GPA: 3.6 (Magna Cum Laude)*   May 2009
Bachelor of Science in Physics, Bachelor of Arts in Music
Minors: Mathematics, Music Technology

TECHNOLOGY SKILLS

- Data Engineering: Snowflake, dbt, jinja, Fivetran, AWS: S3, Athena, Lambda
- Databases: Snowflake, MongoDB, PostgreSQL, Solr, Hive / Hue, GraphQL, AWS: RDS, Athena
- Machine Learning: Python (pandas, scipy, matplotlib, bokeh), R (dplyr, tidyr, ggplot2), AWS: SageMaker, Polly, Rekognition
- Analytics and BI Software: Tableau, Microsoft Power BI, SPSS, RapidMiner