

Allison Redfern

New York, NY | 412-735-3234 | amr10211@nyu.edu

EDUCATION

New York University, Center for Data Science | New York, NY

May 2024

Master of Science, Data Science

Relevant Coursework: *Introduction to Data Science (Inference & Machine Learning), Probability and Statistics for Data Science*

University of Michigan, College of Engineering | Ann Arbor, MI

Sep 2015 – May 2019

Bachelor of Science in Engineering, Industrial and Operations Engineering | Minor, Music

GPA: 3.8 / 4.0 Honors: *summa cum laude*, University Honors, Dean's Honor List

Leadership: Student Advisory Board, *IOE Dept Representative*

Engineering Peer Mentor Program, *Mentor*

Alpha Pi Mu Industrial Engineering Honors Society, *Tutoring Chair*

Women's Glee Club, *Social Chair*

SKILLS

Programming Languages (*Python, SQL, MATLAB, VBA*)

Statistical Software (*SPSS, Minitab*)

Data Visualization (*Tableau, Power BI*)

Database Tools (*SQL Server Management Studio, Microsoft Access*)

Data Preparation Tools (*Alteryx, Tableau Prep, Power Query*)

Optimization Software (*AMPL*)

EXPERIENCE

Johnson & Johnson

Senior Digital Product Management Specialist | Skillman, NJ

Apr 2022 - Present

- Manage and develop Power BI application for J&J's newest and largest MedTech Distribution Center, enabling leaders to make data-driven decisions to improve inventory management, staff productivity, and customer fulfillment as the DC expands inventory
- Launched 15 new application features since starting the role in April 2022, including new data connections, visualizations, and metrics as well as application performance and reliability improvements
- Collaborate with technology teams to proactively source, cleanse, and democratize data needed for future initiatives and KPIs
- Advance organization's future data-driven initiatives by serving as Power BI Platform Lead and partnering with external consultants

Supply Chain Customer Solutions Analyst | Piscataway, NJ

Jun 2020 – Apr 2022

- Created automated dashboards that identify opportunities to improve medical device customer supply chain performance as well as facilitate execution and measure impact of efficiency solutions
- Deployed over 200 data quality and accessibility enhancements to dashboards
- Managed and continuously improved over 20 data sources, 80 Tableau dashboards, and associated documentation
- Connected teams across J&J with data and dashboards needed to solve problems and advance projects by serving as a subject matter expert in medical device customer data
- Led Tableau trainings to increase organization's data and analytics skills shown by a 46% decrease of basic data requests in 2021
- Optimized hospital supply chain processes by collaborating with leadership from large hospital networks

Supply Chain Customer Solutions Associate Analyst | Piscataway, NJ

Jun 2019 – Jun 2020

- Supported analytics on medical device customer metrics such as price accuracy, order consolidation, and paper invoice reduction
- Triaged and resolved data inquiries and developed tracker to collect and analyze information on team's data issues and findings
- Launched interactive data documentation and trainings to improve organization's analytical skills and data architecture visibility
- Led the Vendor Managed Inventory (VMI) program by collaborating with J&J planners and hospital buyers, leading monthly metric reviews, and redesigning the VMI SOX compliance process

Export Logistics Services Co-Op | Piscataway, NJ

Jul 2017 – Jan 2018

- Analyzed J&J export data, consisting of over \$3 billion in sales and 70,000 invoices, and reported monthly scorecard to international leadership and key business partners. Automated scorecard analytics to improve accuracy and reduce completion time by 38%
- Built data visualizations to improve shipping lane efficiency, reduce product damages, and forecast costs of process changes

Amazon

Area Maintenance Manager Intern | Phoenix, AZ

May 2018 – Jul 2018

- Managed team of 30 maintenance technicians to ensure technology reliability at the PHX6 Amazon Fulfillment Center
- Optimized cardboard recycling process by analyzing operational data to design a conveyor system that saves \$350,000 annually and decreases corrugated board disposal labor hours by 50%

University of Pittsburgh Engineering Education Research Center

Undergraduate Research Assistant | Pittsburgh, PA

May 2016 – Aug 2016

- Investigated the impact of international experiences on the global preparedness of undergraduate engineering students by analyzing survey data and leveraging methods such as linear regression, mean comparisons, and effect sizes