ADELINE SHIN

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Professional Experience

Humana – Senior Data Scientist
Jan 2024 – Present

- Delivered analytics to launch programs that influenced up to $46M in medical cost savings through value-based care and chronic disease management.
- Led development of analytic frameworks to evaluate vendors; collaborated with clinicians, business leaders, and actuaries to ensure integrity of models.
- Automated analytics pipelines across departments, reducing manual work by up to 12 weeks and ensuring standardized enterprise reporting.

Humana – Data Scientist 2
Jun 2021 – Dec 2023

- Received 2 Humana Star Awards for leadership in analysis using causal inference methods (RCT, DiD) and managing cross-functional relationships.

Humana – Graduate Analytics Intern
May 2020 – Jun 2021

- Won Digital Health & Analytics Hackathon with a pandemic product for Humana members.

NYC Department of Health – Informatics Intern
Jun 2018 – Aug 2018

- Analyzed and updated a 50M-row National Provider Index data warehouse to support public health initiatives across the agency.

Education

Columbia University Mailman School of Public Health
2019 – 2021

M.S. Biostatistics (Theory & Methods Track)

Carnegie Mellon University
2015 – 2019

B.S. Chemical Engineering, Additional Major in Biomedical Engineering

Projects & Volunteering

Appalachian Mountain Club

- Led 10+ gym nights and outdoor crag days for BIPOC climbers to expand access and representation in outdoor recreation, building community among 100+ participants.

Formulae.One

- Built interactive analysis site for Formula One races with visualizations and predictive modeling using Python, Flask, and Pandas.

Skills & Tools

- **Programming & Tools:** Python, R, SQL, SAS, PySpark, Databricks, Git, Power BI, Azure
- **Statistical Methods:** Study Design, Hypothesis Testing, Outcomes Analysis, Causal Inference, Predictive Modeling
- **Healthcare Expertise:** Claims analysis, Value-based care, Member health outcomes
- **Other:** Project Management, Website Design, Data Storytelling