JOANN JUN

joannjun01@gmail.com | 860-951-4609 | https://www.linkedin.com/in/joann-jun/ | https://joannjun.github.io/

EDUCATION

University of Connecticut, College of Liberal Arts and Sciences — **Storrs, CT**
Bachelor of Science, Major: Statistical Data Science — *August 2022 – Present*
Minor: Mathematics
GPA: 3.779/4.00
Related Coursework: Statistical Programming, Applied Linear Regression in Data Science, Intro to Data Science, Design of Experiments, Statistical Methods, Intro to Mathematical Statistics, Probability, Intro to Statistical Learning, Statistical Computing
Awards: *Dean's List (Fall 2022 & 2023)*

PROFESSIONAL EXPERIENCE

UnitedHealth Group Bridges to Healthcare Technology Program — **Pittsburgh, PA**
Data Analyst Intern — *June 2025 – July 2025*

- Analyzed U.S. county-level maternal and mental health data to identify patterns and disparities, including BMI, prenatal care visits, and mental health provider density.
- Conducted exploratory data analysis with choropleth maps, boxplots, and correlation matrices to visualize regional disparities and feature relationships.
- Built predictive models using XGBoost, Random Forest, and K-Nearest Neighbors; evaluated model performance using RMSE/MAE and interpreted variable importance.
- Applied quasi-Poisson regression to identify significant predictors of poor mental health days, highlighting social determinants such as loneliness and lack of support.
- Presented findings to 40+ mentors, professors, and peers at Carnegie Mellon University, providing actionable insights on healthcare equity and community-level interventions.

PROJECTS & EXTRACURRICULARS

Investigating Student Performances by Engagement Time — **Middletown, CT**
Presented at ASA DataFest Wesleyan Quantitative Analysis Center — *April 2024*

- Analyzed large-scale student engagement data from coding learning website using R and Python.
- Built predictive visualizations linking engagement metrics to academic performance.
- Presented results to data sponsors; recognized for innovation and teamwork.

Dengue Fever — **Storrs, CT**
Presented at University of Connecticut — *May 2025*

- Analyzed environmental and temporal factors influencing dengue fever cases using datasets with 24 features, including temperature, humidity and NDVI.
- Conducted exploratory data analysis with trends, city-level distributions, and correlation matrices.
- Built predictive models using XGBoost and Random Forest to forecast weekly dengue cases.

Joint Statistical Club (JSC) — **Storrs, CT**
Vice President — *April 2025 – Present*

- Lead meetings and coordinate skill-enhancement workshops for 20+ members, fostering growth in statistical competencies while connecting with faculty, graduate students, and professional opportunities.
- Represent club at conferences, including Data Science Day, Sports Analytics Symposium, and Statistics in Pharmaceuticals hosted by the New England Statistical Society.

Treasurer — *August 2024 – April 2025*

- Showcased strong leadership acumen through effective collaboration with fellow student leaders to implement innovative fundraising strategies.
- Yielded a 30% surge in raised funds compared to the prior year.

VOLUNTEER

NextGen Data Science Day Conference — **Storrs, CT**
Department of Statistics, University of Connecticut — *September 2023*

- Assisted with conference registration.

PROFICIENCIES

Languages and Tools: R, Python, SAS, Git, GitHub, Quarto, Minitab, Excel, SQL
Statistical Techniques: Regression, Machine Learning (XGBoost, Random Forest, KNN), Experimental Design, Data Visualization
Productivities: Microsoft Office, Google Workspace, Canva