

# JUDE SHELTON

jude.c.shelton@gmail.com • (319) 383-6323 • Chicago, IL 60618 • linkedin.com/in/judeshelton

## PROFESSIONAL SUMMARY

Dedicated and self-motivated biostatistician with a master's degree in biostatistics and significant experience in research, report preparation, SAS programming, and statistical analysis. Skilled in supporting investigators across diverse fields, with experience in biostatistical consultation and multiple publications in pediatric urology and clinical medicine.

## EDUCATION

*The University of Iowa*, Iowa City, IA May 2025  
M.S. Biostatistics

*The University of Iowa*, Iowa City, IA May 2023  
B.A., Mathematics-Statistics and Actuarial Science  
B.S., Statistics in Business, Industry, and Research

## WORK EXPERIENCE

*Graduate Research Assistant: Biostatistical Consulting Center* Aug 2023-May 2025  
University of Iowa Department of Biostatistics Iowa City, Iowa

- Assisted faculty, residents, fellows, clinicians, and student investigators in pediatric urology, physical therapy, and clinical medicine to organize, manage, and analyze data sets
- Supported multiple investigators concurrently, conducting analyses, communicating key statistical findings in a clear and accessible manner, and ensuring deadlines and requirements were met
- Performed key job functions of a biostatistician, such as educating researchers on alternative statistical methods, randomization schemes, statistical analysis plans, and interpretations
- Wrote reports, generated data summaries, prepared written materials, and performed statistical and graphical analyses in SAS and R
- Prepared tables, graphs, and interpretations to present clinical data and research study results for interim analyses, academic papers, and presentations
- Authored statistical methods and results for manuscript publications and research presentations

*Graduate Research Assistant: Institute for Vision Research* Oct 2023-May 2025  
University of Iowa Iowa City, Iowa

- Translated research questions into statistical models from randomized control trial datasets using Python and R programming
- Communicated appropriate analysis techniques and insights to collaborators orally and in writing
- Conducted quantitative analysis to support the construction of predictive clinical models

*Graduate Research Assistant: Statistics & Analytics Core* Oct 2023-Jun 2024  
University of Iowa: Institute for Public Health Research, Practice, and Policy Iowa City, Iowa

- Analyzed the risk of releasing county-level public health data
- Searched literature to gain insight into the field of public health data privacy and re-identification risk
- Compiled research findings into technical reports and policy-focused stakeholder presentations
- Collaborated with a team of biostatisticians to develop policy recommendations
- Summarized statistical equations and concepts using R and LaTeX for a wide range of varying stakeholders

## Research Assistant

Jun 2022-May 2023

UIHC Department of Surgery, Office of Surgical Education

Iowa City, Iowa

- Managed large and complex educational and administrative datasets to support surgical training interventions in an academic medical center
- Designed and implemented research projects to create personalized and integrated tools for process improvements
- Created electronic questionnaires to collect high-quality data and address questions of research projects and day-to-day operational improvements
- Prepared study protocols, appropriate consent documents, IRB submissions, and other necessary study documents to ensure regulatory compliance

## SKILLS & CERTIFICATIONS

- **Certifications:** CITI Human Research Biomedical Training
- **Statistical Storage & Analysis:** SAS, R, Python, LaTeX, GitHub
- **Statistical Analysis:** Regression Analysis, Statistical Methods in Clinical Trials, Experimental Design, Longitudinal Analysis, Sample Size Calculations, Randomization Strategies, Bivariate Analysis, Categorical Data, Machine Learning, Statistical Inference
- **Data Management:** Cleaning, collecting, manipulating, merging, transforming, and analyzing large clinical, research, and administrative data sets, working with relational databases
- **Software:** Microsoft Office Applications, Zoom, Microsoft SharePoint

## PRESENTATIONS AND PUBLICATIONS

- Chae, S., **Shelton, J.**, & Harb, A. (2025, November). *P124 Identifying co-occurrence patterns of chronic conditions in acute myeloid leukemia: An EHR-based analysis*. Poster presented at the AMIA 2025 Annual Symposium, Atlanta, GA.
- Huang, A., Cooper, C., Fuller, L., **Shelton, J.**, et al. (2025, August). *Comparing bladder bowel dysfunction (BBD) in children with attention deficit hyperactivity disorder (ADHD) with or without ADHD medical therapy and their initial response to BBD treatment*. Journal of Pediatric Urology. <https://doi.org/10.1016/j.jpurol.2025.08.005>
- Lockwood, G., Leach, A., **Shelton, J.**, et al. (2025, June). *Interrater Reliability of Objective and Subjective Measures of Urinary Tract Dilation in Pediatric Urologists: A Multicenter Analysis*. Journal of Pediatric Urology. <https://doi.org/10.1016/j.jpurol.2025.06.025>
- Leach, A., Lockwood, G., **Shelton, J.**, et al. (2025, May) *IP20-07 Interrater Reliability of Objective and Subjective Measures of Urinary Tract Dilation in Pediatric Urologists: A Multicenter Analysis*. The Journal of Urology 213(5S): e1064. <https://doi.org/10.1097/01.JU.0001110096.43556.42.07>