

Juri Moon

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Professional Summary

Data-focused engineer with hands-on experience in data analytics, visualization, and reporting in healthcare. Skilled in predictive modeling and workflow automation for process improvement. Strong background in data quality, compliance, and global cross-functional collaboration, with published research in computer vision and predictive analytics.

Skills

Technical Skills: Python, R, MATLAB, SQL, Java, Excel, PowerPoint, Data Visualization, Predictive Analytics, Deep Learning, LaTeX, Visio, MIT IDSS Data Science & Machine Learning Certification

Process & Compliance Skills: Data quality, workflow automation, gap analysis, regulatory compliance

Professional Skills: Collaboration, communication, time and project management, technical writing, mentorship

Work Experience

Olon USA - Ricerca Bioscience

Concord, OH

Process Development and Manufacturing Co-Op

June 2025 - Current

- Supported FDA Pre-Approval Inspection readiness for 3 commercial APIs in collaboration with QA, QC, and Analytical teams by preparing exception summaries, reviewing batch record data, and conducting gap analyses.
- Developing automation tools to generate inspection-ready documentation, reducing preparation time by 30%.
- Conducted 53 equipment qualification activities (IQ/OQ/PQ) to ensure GMP requirements.

BioWell - P&K (Skin Research Center)

Seoul, Korea

Clinical Trial Project Consultant

Feb. 2024 - Feb. 2025

- Managed communications between Clinical Research Organization and an international sponsor to secure \$300K in funding for clinical trials aimed at registering collagen peptides to the Korean Market.
- Delivered 80+ documents, including protocols, operational timelines, ensuring Korean regulatory compliance.
- Conducted competitor benchmarking and market research, providing strategic insights on market potential.
- Developing a regulatory intelligence tracker to monitor FDA actions and extract insights on drug market trends.

NovelMed Therapeutics, Inc.

Cleveland, OH

Regulatory Intern

July 2023 - Jan. 2024

- Supported two Phase II clinical trial approval by developing trial protocols, and coordinating with CROs and SMOs.
- Verified 8 years of CMC data and maintained 100+ regulatory documents to ensure FDA compliance.
- Monitored and reported adverse events, and protocol deviations to regulatory authorities.
- Implemented CAPAs within 24 hours for deviations, minimizing trial disruptions and ensuring patient safety.
- Conducted gap analyses and reduced laboratory testing costs by 53% through structured cross-checking.

Research Experience

SPARC - REVA (Reconstructing Vagal Anatomy) Project at Case Western Reserve University

Cleveland, OH

Research Assistant

May 2024 - Current

- Publication: *Few-Shot Sample-Specific Deep Learning Multiclass Segmentation and Fiber Tractography using 3D-MUSE Images of Human Vagus Nerve*. DOI: 10.1109/ISBI60581.2025.10981136
- Built annotation pipelines to reduce from 5 to 2 days through computer vision pipeline using SAM fine-tuning and adaptive retraining on nerve image data.
- Reviewed data quality and accuracy by supervising 7 annotators, producing reliable ground-truth datasets.

Cornea Image Analysis Reading Center - University Hospitals

Cleveland, OH

Research Assistant

April 2025 - Current

- Developed a U-Net-based predictive model to detect Fuchs' endothelial dystrophy from clinical ophthalmic images.
- Developed a predictive model for specular microscopy images, integrating feature extraction (LBP, PCA) and anomaly detection (Isolation Forest) to analyze endothelial morphology and detect abnormalities.

Education

Case Western Reserve University

Cleveland, OH

Bachelor's in Biomedical Engineering, Minor in Computer Science

Aug. 2021 - Dec. 2025