

Josh Gilberstadt

St. Louis, MO

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PROFESSIONAL EXPERIENCE

C2N Diagnostics — Data Manager, St. Louis, MO

Mar 2022 – Present

- Generated statistical summaries using R and Markdown to assess batch-to-batch consistency for biomarker data and mass spectrometer calibration
- Led weekly team meetings to review project progress, identify performance gaps, and implement procedural improvements
- Reviewed and validated biomarker data files using Python (NumPy, Pandas), achieving 100% accuracy between laboratory measurements and transferred datasets
- Automated Amyloid Probability Score calculations in R, reducing data processing time by 90%
- Built Excel and Smartsheet dashboards tracking turnaround time for 1,000+ subjects

Washington University School of Medicine — Data Engineer, St. Louis, MO

Aug 2021 – Jan 2022

- Analyzed intracranial volume estimates in R and Python to determine the effectiveness of various brain extraction models
- Built shell script data pipelines that automated brain segmentation jobs

Washington University in St. Louis — Research Assistant, St. Louis, MO

May 2019 – Dec 2019

- Built Python/SQL databases and webpages to facilitate lung transplant patient data access
 - Developed Android app for tracking at-home recovery progress
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EDUCATION

Washington University in St. Louis — B.A. in Mathematics, High Distinction

Aug 2017 – May 2021

SKILLS

Programming & Scripting: Python, SQL, R, Java, C

Data Analysis & Visualization: NumPy, Pandas, Markdown, Statistical Analysis, Predictive Modeling

Databases & Workflow: Git, VS Code, Linux, Database Development

CERTIFICATIONS

AWS Certified Cloud Practitioner — Jan 2025