

# **Josh Gilberstadt**

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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*

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## **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

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## **CERTIFICATIONS**

AWS Certified Cloud Practitioner — Jan 2025