

# Breanna Brown

Seattle, WA | (810)-772-6635  
www.linkedin.com/in/breannabrown6101

bbrown34@uw.edu  
brebrown6101.github.io

## Summary of Qualifications

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A highly productive and detail-oriented individual with a strong background in mathematics, data analysis, and biostatistics, currently pursuing a Master of Science in Biostatistics at the University of Washington. Demonstrated ability to collect, analyze, and present complex data findings, particularly in health and community-focused projects. Strongly committed to using statistical analysis to improve community well-being and program development. Proficient in statistical computing and data analysis with hands-on experience in RStudio and Excel.

## Education

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### University of Washington - Seattle, WA

Master of Science, Biostatistics

September 2024 to March 2026 (expected)

### Wayne State University - Detroit, MI

Bachelor of Science, Mathematics (GPA: 3.82/4.00, Cum Laude)

August 2019 – May 2023

**Coursework:** Statistical Computing and Data Analysis (R), Introduction to Mathematical Statistics, Algebra I, Mathematical Models in Operations Research, Linear Algebra, Differential Equations, Introduction to Probability Theory, Multivariable Calculus

**Certifications:** Mental Health First Aid, CPR

## Awards and Scholarships

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- Dean's list, Wayne State University, 2019-2022
- Wayne State University, Department of Mathematics
  - Undergraduate Scholarship, 2021
  - Anna K. Lewenz Endowed Scholarship, 2022
  - William Martin Borgman Endowed Scholarship for Mathematics, 2022
  - Kathleen Vieth Endowed Scholarship, 2022

## Experience

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### Data Analyst

May 2023 – August 2024

Detroit Recovery Project  
Detroit, MI

*Primary data analyst at this non-profit focused on prevention and recovery services for substance use disorder*

- Created and presented Power BI visualizations of annual data for 8+ programs, delivering insights at all-staff meetings to drive organizational understanding and decision-making
- Organized and summarized program data using Microsoft Applications for use by leadership in grant writing and monthly reporting
- Developed two organization annual reports that were distributed to community stakeholders, showcasing program impact and outcomes
- Conducted analysis of patient authorizations from the Certified Community Behavioral Health Clinic in Excel to ensure accuracy and compliance by clinical staff
- Conducted interviews with community members to assess local needs; created a detailed needs assessment report which was presented to community leaders to guide future initiatives
- Collaborated in writing two white papers on syringe service programs, focusing on overdose prevention and communicable disease prevention

## Skills

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### Technical

- Languages: R, JavaScript, C/C++, VBA
- Tools & Frameworks: Excel, RStudio, Power BI, Access, SQL

### Interpersonal

- Leadership
- Public speaking
- Teamwork and Collaboration