

# Bailey Wellen Osweiler

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## Education

**Washington University McKelvey School of Engineering - St. Louis, MO** *2023 - Present*

- Ph.D. in Computational and Data Sciences

**Carthage College - Kenosha, WI** *2017 - 2021*

- B.A. Data Science
- B.A. Computer Science
- Minors in Mathematics and Spanish
- Summa Cum Laude

## Research Experience

**Washington University School of Medicine, Kannampallil Lab – St. Louis, MO** *2024 - Present*

Research Assistant - Electronic Health Record Audit Log Analysis

**Washington University Brown School, Marotta Lab – St. Louis, MO** *2023 - Present*

Research Assistant - Opioid Use Disorder Policy Evaluation

**Carthage College Senior Capstone – Kenosha, WI** *2020 - 2021*

Independent Researcher

**Correlation One – Remote**

Data Science Fellow *2020*

**Carthage College Psychology Lab – Kenosha, WI** *2018*

Saccadic Eye Movement Researcher

## Professional Experience

**Deloitte – Chicago, IL**

Brand & Reputation Risk Consultant *2023*

Cyber Risk Analyst *2021 – 2023*

**AbbVie – North Chicago, IL**

Data Management Contractor *2019 – 2021*

Data Management Experiential Intern *2019*

**Carthage College – Kenosha, WI**

Mentor Tutor *2020 – 2021*

Computer Science Tutor *2018 – 2020*

## **Publications**

**Oswelier, B.**, Tamakloe, M., Eshun, J., Marotta, P. (2024). Associations of State-level Substance Use Prevalence with Treatment Center Counts: Relationship by Profit Type [under review] *TBD*

## **Presentations**

Lynch Z, Humphries D, Rashid M, Akinloye B, Orogade A, Narayanan N, Baied M, **Oswelier B**, Wang K, Heimer R, Marotta P, "Strategies for increasing acceptability of harm reduction practices in rural Missouri" [Oral Presentation], American Public Health Association, Minneapolis, MN *October 2024*

**Oswelier B**, Hutson W, Marotta P, "Insurance risk factors for leaving against medical advice after opioid overdose: a retrospective cohort study using electronic health records" [Accepted for Poster Session], Addiction Health Services Research Conference, San Francisco, CA *October 2024*

**Oswelier B**, Hutson W, Marotta P, "Patients hospitalized for repeat opioid overdoses: an exploratory analysis of demographics and barriers to treatment" [Poster Session], Institute of Clinical and Translational Science Big Data Research Symposium, St. Louis, MO *September 2024*

**Oswelier B**, Baied M, Narayanan N, Lynch Z, Backes K, Wang K, Humphries D, Heimer R, Marotta P, "Primary Care Buprenorphine Provision in the U.S. South and Midwest: Prescribing Changes Post-Data Waiver Elimination" [Poster Session], College of Problems on Drug Dependence, Montreal, Canada *June 2024*

**Oswelier B**, McBride T, "State Treatment Center Counts as a Market Response to Substance Use Prevalence: Investigating Differences by Profit Status", [Poster Session], STL DataFest, St. Louis, MO *May 2024*

## **Funding and Honors**

NIDA T32 Transdisciplinary Training in Addiction Research Grant *2023 - Present*

Public Humanities, Poetry, and Podcasts: A Professional Development Mini-Seminar *Spring 2025*

Featured on the Carthage College [Data Science Alumni Spotlight](#) *2022*

Distinguished Senior in Data Science - recognized for contribution to data science program and outstanding academic performance *2021*

Math-Science Student Ambassador for Data Science Department *2021*

Math-Science Student Ambassador for Computer Science Department *2020*

Smeds Executive Scholarship - granted for displayed leadership and ambition through internships *2020 - 2021*

Carl Wilbur Nelson Scholarship - awarded for excellence in viola ensemble performance	2020 - 2021
Presidential Scholarship - awarded for academic merit	2017 - 2021
<b><u>Professional Memberships</u></b>	
<b>College of Problems on Drug Dependence</b> Member-in-Training	2023 - Present
<b>American Society of Addiction Medicine</b> Student Member	2024 - Present
<b>American Medical Informatics Association</b> Student Member	2024 - Present
<b><u>Community Service and Extracurriculars</u></b>	
<b>Haymarket Center – Chicago, IL</b> Associate Board Member	2022 - 2023
<b>Kenosha Literacy Council – Kenosha, WI</b> Volunteer Tutor	2020 - 2021
<b>Carthage College Data Science Club – Kenosha, WI</b> Founder and President	2019 - 2020
<b><u>Tutoring and Teaching Assistant Experience</u></b>	
Signals, Data, and Equity	2024
Introduction to Computing, Carthage College	2020, 2021
Principles of Computer Science I, Carthage College	2018, 2020
Principles of Computer Science II, Carthage College	2021
<b><u>Professional Certifications</u></b>	
GCP Professional Cloud Architect	2023
GCP Associate Cloud Engineer	2021
AWS Certified Cloud Practitioner	2021
Microsoft Office Specialist – Excel	2021
Tableau Desktop Specialist	2020

*last updated December 2024*