

Bailey Wellen Osweiler

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Education

Washington University McKelvey School of Engineering - St. Louis, MO	<i>2023 - Present</i>
• Ph.D. in Computational and Data Sciences	
Carthage College - Kenosha, WI	<i>2017 - 2021</i>
• 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	<i>2024 - Present</i>
Research Assistant - Electronic Health Record Audit Log Analysis	

Washington University Brown School, Marotta Lab – St. Louis, MO	<i>2023 - Present</i>
Research Assistant - Opioid Use Disorder Policy Evaluation	

Washington University Brown School, Ramsey Lab – St. Louis, MO	<i>2024 - 2025</i>
Research Assistant - Refinement & Evaluation of Therapeutic Digital Technologies	

Carthage College Senior Capstone – Kenosha, WI	<i>2020 - 2021</i>
Independent Researcher	

Correlation One – Remote	
Data Science Fellow	<i>2020</i>

Carthage College Psychology Lab – Kenosha, WI	
Saccadic Eye Movement Researcher	<i>2018</i>

Professional Experience

Deloitte – Chicago, IL	
Brand & Reputation Risk Consultant	<i>2023</i>
Cyber Risk Analyst	<i>2021 – 2023</i>

AbbVie – North Chicago, IL	
Data Management Contractor	<i>2019 – 2021</i>
Data Management Experiential Intern	<i>2019</i>

Carthage College – Kenosha, WI

Mentor Tutor

Computer Science Tutor

2020 – 2021

2018 – 2020

Publications

Osweiler BW, Rammaha T, Szlyk HS, et al. Co-designing a mobile application to reduce self-stigma for people with opioid use disorder during pregnancy and the postpartum period. *Front Psychiatry*. 2025;16. doi:10.3389/fpsyg.2025.1607652

August 2025

Osweiler, BW, Hutson, WD, Marotta, PL. Insurance-related Risk Factors for Leaving Against Medical Advice after Opioid Overdose: A Cross-sectional Study Using Electronic Health Records. *Journal of Addiction Medicine*, June 23, 2025. | DOI: 10.1097/ADM.0000000000001521

June 2025

Osweiler, BW, Lew, D., Lv, N., Ma, J., Kannampallil, T. (2025) Depression and weight loss trajectories during an integrated behavioral intervention: within-treatment analysis of the RAINBOW trial [Accepted; In Press]

TBD

Marotta, PL, **Osweiler BW**, Humphries D, et al. (2025) Attitudes toward harm reduction and buprenorphine prescribing among rural primary care providers in the U.S Midwest and South [under review]

TBD

Presentations

Osweiler, B, Rammaha, T, Szlyk, H, Dell, N, Macon, J, Jacobson. N, Burley, C, Goodman, M, Cavazos, P, Ramsey, A, "Engage, Entrust, Enhearten: The Iterative Co-Design and Test of a Digital Ecological Momentary Intervention to Reduce Perinatal Self-Stigma Involving Opioid Use Disorder" [Poster Session], College of Problems on Drug Dependence, New Orleans, LA

June 2025

Osweiler B, Baratta L, Eiden E, Kannampallil T, Lou S, Lew D, "Identifying trajectories of clinician engagement with the EHR among inpatient hospitalizations", [Oral Presentation] American Medical Informatics Association - Clinical Informatics Conference, Anaheim, CA

May 2025

Osweiler B, Baratta L, Eiden E, Kannampallil T, Lou S, Lew D, "Trajectories of clinician EHR time during inpatient hospitalization" [Poster Session], I2DB Symposium, St. Louis, MO

February 2025

Lynch Z, Humphries D, Rashid M, Akinloye B, Orogade A, Narayanan N, Baied M, **Osweiler 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

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

October 2024

Osweler 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

Osweler 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

Osweler 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

CPDD NIDA Women & Sex/Gender Junior Investigator Travel Award *June 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 & Computer Science Department 2020 - 2021

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

Carl Wilbur Nelson Scholarship - awarded for viola ensemble performances 2020 - 2021

Presidential Scholarship - awarded for academic merit **2017 - 2021**

Professional Memberships

American Medical Informatics Association *2024 - Present*
Student Member

American Society of Addiction Medicine *2024 - Present*
Student Member

College of Problems on Drug Dependence *2023 - Present*
Member-in-Training

Community and Academic Service

BMJ Mental Health *2025 - Present*
Peer Reviewer

AMIA Clinical Informatics Conference - Anaheim, CA
Conference Student Volunteer

2025

Haymarket Center - Chicago, IL
Associate Board Member

2022 - 2023

Kenosha Literacy Council - Kenosha, WI
Volunteer Tutor

2020 - 2021

Carthage College Data Science Club - Kenosha, WI
Founder and President

2019 - 2020

Tutoring and Teaching Assistant Experience

Signals, Data, and Equity 2024, 2026
(planned)

Introduction to Computing, Carthage College 2020, 2021

Principles of Computer Science I, Carthage College 2018, 2020

Principles of Computer Science II, Carthage College 2021

Professional Certifications

GCP Professional Cloud Architect 2023

GCP Associate Cloud Engineer 2021

AWS Certified Cloud Practitioner 2021

Microsoft Office Specialist – Excel 2021

Tableau Desktop Specialist 2020