

Daniel P. Ruskin

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Education

Ph.D. Student, University of Maryland <i>Information Studies</i>	Aug 2025 – Present
Bachelor of Science, Washington University in St. Louis Computer Science Second Major: Systems Science & Engineering Minor: History	Aug 2021 – May 2025

Research Interests

Data Science, Machine Learning, Network Analysis, Digital History

Journal Articles

1. Ruskin, D., Rasul, R., & McCann-Pineo, M. (2022). [Predictors of emergency department opioid use among adolescents and young adults](#). *Pediatric Emergency Care*, 38(8), e1409–e1416.

Preprints

1. Jung, W. J., Acharya, S., **Ruskin, D. P.**, Liao, S., Akbary Moghaddam, V., Erdenebaatar, Z., & Brent, M. R. (2026). [METANet: A supervised ensemble learning framework for reconstructing direct and functional tissue-specific transcription factor networks](#). *bioRxiv*.

Presentations

1. Jung, W.J., Acharya, S., **Ruskin, D. (presenter)**, Liao, S., Moghaddam, V.A., & Brent, M.R. (2024). Mapping Transcription Factor Regulatory Networks in Human Tissues Using Ensemble Learning. *Midstates Consortium Undergraduate Research Symposium in the Physical Sciences, Mathematics and Computer Science*. Talk.
2. Jung, W.J., Acharya, S., **Ruskin, D. (presenter)**, Liao, S., Moghaddam, V.A., & Brent, M.R. (2024). Mapping Transcription Factor Regulatory Networks in Human Tissues Using Ensemble Learning. *Undergraduate Research Symposium at Washington University in St. Louis*. Talk.

Teaching

Introduction to Engineering Design, Washington University in St. Louis <i>Assistant Instructor</i>	Spring 2023, Spring 2024
Introduction to ESE, Washington University in St. Louis <i>Peer Solving Team Leader</i>	Fall 2022, Fall 2023

Previous Research/Professional Experience

The Brent Lab at Washington University in St. Louis <i>Research Assistant</i>	Aug 2023 – Aug 2025
Regeneron Pharmaceuticals <i>Molecular Profiling and Data Science Intern</i>	Jun 2023 – Aug 2023
The Feinstein Institutes for Medical Research at Northwell Health <i>High School Researcher</i>	Apr 2020 – Jun 2021

Awards

Dean's Fellowship	Fall 2025
<i>UMD College of Information</i>	
Research Excellence Award	Apr 2025
<i>WashU Department of Computer Science and Engineering</i>	
• One of three students in the 2025 graduating class selected for excellence in computer science research.	
Senior Academic Excellence Award and Antoinette Frances Dames Award	Apr 2025
<i>WashU McKelvey School of Engineering</i>	
• One of 13 students in the 2025 graduating class with a 4.0 cumulative GPA.	
Antoinette Frances Dames Award	Apr 2023
<i>WashU McKelvey School of Engineering</i>	
• One of 20 students with a 4.0 cumulative GPA after three semesters.	