





MICHAEL THROOLIN

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SUMMARY

Biostatistics graduate student with interest in causal inference, missing data analysis, and data visualization. Experience programming in R, JAGS, Stan, Java, and C++, as well as the utilization of Git for version control. Fluent in Portuguese and conversational in Spanish.

EDUCATION

PhD Student - Biostatistics <i>University of Utah</i>	Expected Completion 2027 GPA 3.91
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- Interest in causal inference, clinical trial randomization, longitudinal analysis, bayesian methods.

MS Statistics <i>Montana State University</i>	May 2023 GPA 3.70
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Scholarships: Kenneth J. Tiaht and John L. Magaret Math Scholarships

- Master's paper: An Introduction to Directed Acyclic Graphs and Markov Equivalence.
- Worked with a controlled trial regarding infectious disease in sheep.

BS Mathematics, Summa Cum Laude <i>Brigham Young University - Hawaii</i>	June 2016 GPA 3.96
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Scholarships: Math Department, Recruitment, and Merit
Minor in Computer Science

- Researched probability models for rolling irregular dice and presented findings at undergraduate conference
- Developed a video game for Android phones

EXPERIENCE

Research Assistant <i>University of Utah, Salt Lake City, UT</i>	<i>August 2023 - Present</i>
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- Aiding statistical analysis of a randomized controlled trial being submitted to the British Medical Journal.

Graduate Teaching Assistant <i>Montana State University, Bozeman MT</i>	<i>August 2021 - May 2023</i>
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- TA for graduate course covering experimental design, Poisson log-linear regression, ANOVA, repeated measures, multivariate and time series analysis.
- Co-instructed an introductory course in statistics that covered inference, hypothesis testing, and regression.

Instructor <i>John's Hopkins Center for Talented Youth, Baltimore, MD</i>	<i>Summer 2022</i>
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- Introduced paradoxes related to set theory, calculus, probability, topology, computer theory, cryptology, and game theory to a small group of high school students.

Volunteer- Math Club Coach <i>Bellingham Family Partnership, Bellingham WA</i>	<i>Oct. 2016- Feb. 2017</i>
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- Developed activities in combinatorics, probability, algebra, number theory, game theory, and topology.