

Meredith Stewart

CURRICULUM VITAE — JULY 2025

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mdsorio.github.io

EDUCATION	University of California, San Diego MS in Computer Science Advisor: Berk Ustun	2024 – PRESENT
	Georgia Institute of Technology GPA: 3.9/4.0 BS in Computer Science Courses: Linear Algebra (A), Combinatorial Analysis (A), Multivariable Calculus (A), Algorithms (A), Advanced Algorithms (A), Deep Learning (A), Machine Learning (A), Probability and Statistics (A), Discrete Math (A),	2018 – 2022
RESEARCH INTERESTS	Areas: Machine Learning Topics: Algorithmic Fairness, Reliability, Governance	
AWARDS & HONORS	Pi Delta Phi (French Honors Society) Omicron Delta Kappa (Leadership Honor Society) Thank a Teacher Award	2022 2021 – 2022 2019
PUBLICATIONS		
PREPRINTS 1.	Statistical Inference for Responsiveness Verification Seung Hyun Cheon, Meredith Stewart , Bogdan Kulynych, Tsui-Wei Weng, Berk Ustun , 2025	
IN PROGRESS	Learning with Responsiveness Guarantees with Lily Weng, and Berk Ustun	
RESEARCH EXPERIENCE	Rehg Lab <i>Undergraduate Research Assistant</i> Analyzed performance of machine learning pipeline to detect eye contact and its application to language outcomes.	2019 – 2022
TEACHING EXPERIENCE	Georgia Institute of Technology <i>CS1371 Teaching Assistant</i> Wrote homework questions, graded tests and homework, planned and conducted lectures, and maintained class infrastructure.	2019 – 2019
ACADEMIC SERVICE	WORKSHOP PROGRAM COMMITTEE NeurIPS Workshop for Algorithmic Collective Action	2025
SELECTED PROFESSIONAL EXPERIENCE	Microsoft. Atlanta, GA <i>Software Engineer</i> <ul style="list-style-type: none">– Implemented online learning pipeline in C++ to predict per-VM power usage.– Analyzed per-VM performance using Kusto.– Improved power usage efficiency by 7% by adding a power configuration option. Microsoft. Seattle, WA <i>Software Engineering Intern</i>	2022 – 2024 SUMMER 2021

- Designed and implemented an emergency shutdown mechanism to minimize customer impact in C#.

Symbotic. Wilmington, MA
Software Engineering Intern

SUMMER 2020

- Implemented alarm system for C# microservices to alert users when key service dependencies were unhealthy
- Designed and implemented algorithm to ensure even inventory distribution using entropy

PERSONAL

Languages: Fluent in English and French

Software: Proficient in Python and C#. Familiar with Java, R, Matlab, and C++.

Interests: Irish Dance, French History, Literature, Tennis, Cooking

REFERENCES