Meredith Stewart

Curriculum Vitae — July 2025

mds010@ucsd.edu
https://mds010.github.io

Education

University of California, San Diego 202024 – Present
MS in Computer Science
Advisor: Berk Ustun

Georgia Institute of Technology 2018 – 2022
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),

Research Interests

Areas: Machine Learning, Optimization, Human-Centered Design
Topics: Interpretability, Algorithmic Fairness, Reliability, Governance
Domains: Medicine, Consumer Finance, Criminal Justice, Revenue Management

Awards & Honors

Pi Delta Phi (French Honors Society) 2022
Omicron Delta Kappa (Leadership Honor Society) 2021 – 2022
Thank a Teacher Award 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 2019 – 2022
Undergraduate Research Assistant
Analyzed performance of machine learning pipeline to detect eye contact and its application to language outcomes.

Teaching Experience

Georgia Institute of Technology 2019 – 2019
CS1371 Teaching Assistant
Wrote homework questions, graded tests and homework, planned and conducted lectures, and maintained class infrastructure.

Academic Service

Workshop Program Committee

NeurIPS Workshop for Algorithmic Collective Action 2025

Selected Professional Experience

Microsoft. Atlanta, GA 2022 – 2024
Software Engineer

- 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 Summer 2021
Software Engineering Intern

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

Symbotic. Wilmington, MA Summer 2020
Software Engineering Intern

– 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