Samsara Counts

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EDUCATION

GEORGE WASHINGTON UNIVERSITY
BS in Computer Science and Mathematics
Aug. 2015–May 2019
Minor in Creative Writing
School of Engineering & Applied Science
Cum. GPA: 3.5 / 4.0
Major GPA: 3.63 / 4.0

ONLINE PROFILES

Github   samsaranc
LinkedIn   samsaranc

COURSEWORK

Machine Learning
Bias in Artificial Intelligence
Computer Vision
Graph Theory
Algorithms and Data Structures
Continuous Algorithms
Operating Systems
Software Engineering
Real Analysis
Probability for Computer Science
Linear Algebra
Abstract Algebra I & II
Theory of Computing

SKILLS

PROGRAMMING
Python • Java • C • MATLAB • Bash
LaTeX • GAP • HTML • SQL • CSS

SOFTWARE
git • PyTorch • Mathematica • Django

SPOKEN LANGUAGES
German (intermediate) • English (native)
Spanish (intermediate)

MAJOR PROJECTS

HACKITAL
Led a 500-person hackathon to engage the community in developing tech solutions to mitigate online harassment

THE DEAN'S COUNCIL OF WOMEN IN TECHNOLOGY
Founded DCWiT, a SEAS Dean's initiative supporting GW women pursuing STEM

WORK EXPERIENCE

AMAZON | Machine Learning Software Engineer, Alexa AI
September 2020–Present | Seattle, WA
- Productionize ML bias and explainability methods for Sagemaker Clarify
- Implement responsible AI best practices in the SageMaker ecosystem

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS | Intern
October 2019–August 2020 | Saarbrücken, DE | Advisor: Krishna Gummadi
- Studied publication norms and other interventions to incorporate fairness, accountability, and ethics in the R&D process in Computer Science
- Investigated ways to incorporate fairness and diversity into AI algorithms

MICROSOFT RESEARCH | Research Intern
Summer 2018 | Cambridge, MA | Advisor: Henry Cohn
- Used group theory to speed up matrix multiplication algorithms
- Solved an optimization problem over the search space of finite groups in GAP

UNIVERSITY OF MARYLAND COLLEGE PARK | Research Intern
Summer 2017 | College Park, MD | Advisor: John Dickerson
- Designed a multi-armed bandit algorithm to ensure diversity in a hiring process
- Analyzed admissions data to investigate the possibility of bias in past decisions
- Used deep reinforcement learning to get matching policies for kidney exchange

LEARNING TECHNOLOGIES RESEARCH LAB | Research Assistant
Summer 2016 | Washington, DC
- Developed a website with Java for adults to improve their English literacy
- Identified and cleaned datasets for training NLP algorithms in Python

GW COMPUTER SCIENCE DEPT. | Teaching Assistant
August 2016–December 2018 | Washington, DC
- Led a lab section for Intro. to Software Dev. and helped with in-class exercises for Discrete Structures II, Algorithms & Data Structures, and Intro. to C.S.

PUBLICATIONS

2019	The Diverse Cohort Selection Problem: Multi-Armed Bandits with Varied Pulls
2018	Characterizing the Visual Social Media Environment of Eating Disorders

AWARDS

2019	CBYX for Young Professionals Fellow	U.S. Congress & German Bundestag
2019	Collegiate Award, Honorable Mention	NCWIT
2018	Best Student Paper Presentation	Appl. Imagery & Pattern Rec. Workshop
2018	Google Lime Scholar	Google
2018	Collegiate Award, Honorable Mention	NCWIT
2018	GW Undergrad. Research Award	GW Office of the VP for Research
2018	Tomodachi Kakehashi Scholar	US-Japan Council
2017	HackHarassment Grant	Intel & the Born This Way Foundation

LEADERSHIP

2016-2019	Vice President	GW Assoc. for Computing Machinery
2016-2019	Mentor	SEAS Student Peer Advisory Network
2016-2019	Mentor	GW Women in Computer Science