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

LINKS

Github samsaranc
LinkedIn samsaranc

COURSEWORK

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

SKILLS

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

SOFTWARE
git • PyTorch • Mathematica • Django

SPOKEN LANGUAGES
Spanish (fluent) • English (native)• German (beginner)

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

MICROSOFT | 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 2016–2019 | 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.

BREAKTHROUGH COLLABORATIVE | Chemistry Teaching Fellow
Summer 2015 | Fort Worth, TX
- Taught Chemistry, achieving 328% student growth in post-assessment scores

RESEARCH

ARTIFICIAL INTELLIGENCE FOR SOCIAL GOOD
May 2017–May 2019 | Washington, DC | Advisor: Robert Pless
Use deep learning to recognize images of Eating Disorders and apply it to build software tools to improve Eating Disorder patient health treatment and outcomes.

PUBLICATIONS

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

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

SOCIETIES

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