Samsara Counts

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EDUCATION

GEORGE WASHINGTON UNIVERSITY
BS in Computer Science
BS in Mathematics
Aug. 2015 – May 2019 (expected)
Minor in Creative Writing
School of Engineering and Applied Science
Cum. GPA: 3.5 / 4.0
Major GPA: 3.6 / 4.0

LINKS

Github:// samsaranc
LinkedIn:// samsaranc
Twitter:// @samsaranc

COURSEWORK

Continuous Algorithms
Computer Vision
Graph Theory
Algorithms and Data Structures
Operating Systems
Probability for Computer Science
Linear Algebra
Abstract Algebra I & II
Computational Complexity Theory
Discrete Structures I & II
Software Engineering

SKILLS

PROGRAMMING
Python • C • Java • Shell • Solidity
LaTeX •HTML • SQL
CSS • SAS • Scala • R

SOFTWARE
Git • Mathematica • MATLAB
Django • SAS • GIS • Play Framework

SPOKEN LANGUAGES
Spanish (fluent) • English (native)

MAJOR PROJECTS

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

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

RESEARCH

ARTIFICIAL INTELLIGENCE RESEARCH | Undergrad Researcher
May 2017 – Present | College Park, MD | Advisor: John Dickerson
- Develop a system using reinforcement learning to ensure diversity and fairness in an automated admissions process. Statistically analyze past admissions data to investigate the possibility of bias in previous decisions.
- Design and implement a system using deep reinforcement learning to choose matching policies for dynamic kidney exchange. Improve a function embedding graphs into fixed-sized vectors that is invariant under graph size.

ONLINE HARASSMENT RESEARCH | Undergrad Researcher
Nov. 2016 – Present | Washington, DC | Advisor: Robert Pless
- Develop classifiers to detect harmful content online from multimodal data. Study online harassment through a university-wide survey, funded by a HackHarassment Grant. Refine the definition of online harassment to improve automatic detection.

LEARNING TECHNOLOGIES RESEARCH LAB | Research Assistant
May 2016 – May 2017 | Washington, DC | Advisor: Rahul Simha
- Developed a website with for adults to improve their English literacy. Identified high-quality datasets for training NLP algorithms and cleaned them in Python.

WORK EXPERIENCE

MICROSOFT RESEARCH | Intern, Summer 2018

UNIVERSITY OF MARYLAND COLLEGE PARK | Researcher
June 2017 – August 2017 | College Park, MD
- Did research with John P. Dickerson funded by the National Science Foundation (20/290 apps.) at the Combinatorics and Algorithms for Real Problems REU

GW COMPUTER SCIENCE DEPT. | Learning Assistant
August 2016 – Present | Washington, DC
- Assist professors with in-class exercises for Discrete Structures II (S '18), Algorithms & Data Structures (S '17) and Intro to Computer Science (F '16, '17)
- Host office hours and review sessions to assist students with course material

BREAKTHROUGH COLLABORATIVE | Chemistry Teaching Fellow
May 2015 – August 2015 | Fort Worth, TX
- Authored and taught Chemistry curriculum, achieving 328% student growth in post-assessment scores at a program for gifted underrepresented students

PUBLICATIONS

2017 The Diverse Cohort Selection Problem: Multi-Armed Bandits with Varied Pulls
2017 Recognizing Images of Eating Disorders in Social Media (Abstract)

AWARDS

2018	Google Lime Scholar	Google
2018	GW Undergrad Research Award	GW OVPR
2017	HackHarassment Grant	Intel & the Born This Way Foundation
2017	Tomodachi Kakehashi Scholar	GW School of Engineering & Applied Science
2017	Anita Borg Institute Scholar	Grace Hopper Celebration

SOCIETIES

2016-Present	Vice President	GW Assoc. for Computing Machinery
2016-Present	Mentor	SEAS Student Peer Advisory Network
2015-2016	Freshman Representative	The Assoc. of Queer Women and Allies