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: 3.47 / 4.0
Major GPA: 3.6 / 4.0

LINKS

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

COURSEWORK

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

SKILLS

PROGRAMMING

Python • C • Java • Shell
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
- 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.
- 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.

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.

GW LEARNING TECHNOLOGIES RESEARCH LAB | Researcher

May 2016 – May 2017 | Washington, DC | Advisor: Rahul Simha
- Generated reading comprehension questions from input passages with Google N-grams and word occurrences. Developed a website with the Play Framework for adults to improve their English literacy. Identified high-quality datasets for training Natural Language Processing algorithms and cleaned them in Python.

EXPERIENCE

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

2017	HackHarassment Grant	Intel & the Born This Way Foundation
2017	Tomodachi Inouye Scholar	GW School of Engineering and Applied Science
2017	Anita Borg Institute Scholar	Grace Hopper Celebration of Women in Computing
2016	GW C.S. Research Fellow	School of Engineering Summer Research Fellowship
2016	1st	GW English Dept. Citizen Day Poetry Contest

SOCIETIES

2016-Present	Academic Affairs, was 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