Samsara Counts

http://samsaranc.com
samsaranc@gmail.com | 817.994.9732

EDUCATION

GEORGE WASHINGTON UNIVERSITY
BS in Computer Science
BS in Mathematics
Aug. 2015 – May 2019 (expected)
Minor in Creative Writing
Conc. in Artificial Intelligence
School of Engineering and Applied Science
Cum. GPA: 3.45 / 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
Systems Programming
Computer Architecture
Algorithms and Data Structures

SKILLS

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

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

SPOKEN LANGUAGES
Spanish (fluent)
English (native)

MAJOR PROJECTS

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 a classifier that robustly detects different forms of online harassment from multimodal data. Study the prevalence of online harassment at GW, funded by a HackHarassment Grant. Refine the definition of online harassment to enable better automatic detection informed by results from a university-wide survey.

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 (10/290 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 Algorithms and Data Structures (Spring '17) and Introduction to Computer Science (Fall '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	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	President	GW Association for Computing Machinery
2016-Present	Mentor	SEAS Student Peer Advisory Network
2015-2016	Vice President	The Association of Queer Women and Allies