

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

Spanish (fluent) • English (native) •

German (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

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS | INTERN

October 2019–Present | Saarbrücken, DE | Advisor: Krishna Gummadi

- Investigate ways to incorporate fairness and diversity into AI algorithms

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.

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

2019 Collegiate Award, Honorable Mention

2018 Best Student Paper Presentation

2018 Google Lime Scholar

2018 Collegiate Award, Honorable Mention

2018 GW Undergrad. Research Award

2018 Tomodachi Takehashi Scholar

2017 HackHarassment Grant

U.S. Congress & German Bundestag

NCWIT

Appl. Imagery & Pattern Rec. Workshop

Google

NCWIT

GW Office of the VP for Research

US-Japan Council

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