Samsara Counts

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EDUCATION
The George Washington University
Bachelor of Science in Computer Science and Mathematics with minors in Creative Writing and Logic, May 2019
Cumulative GPA: 3.5, Computer Science GPA: 3.6

RESEARCH EXPERIENCE AND TECHNICAL PROJECTS
Computer Science Research, University of Maryland College Park, June 2017−Present
- Work on a project modeling kidney donor-pair exchange, advised by John P. Dickerson, part of the Combinatorics and Algorithms for Real Problems (CAAR) REU

Computer Science Research, Learning Technologies Research Group, May 2016−Present
- Conduct research survey studying online harassment at GW, funded by $2,000 Hack Harassment Grant, sponsored by Intel
- Use Natural Language Processing to generate reading comprehension questions from input passages
- Develop a mobile application and website using Play framework for adult learners to increase English literacy
- Adapt and improve reading comprehension question-generation algorithm in Java
- Identify high-quality datasets for training natural language processing algorithms and cleaned datasets using Python and R

Introduction to Computer Science (team of 4), Team Leader, August–November 2015
- Defined, broke down, and assigned tasks to team members along with scheduling each team work session
- Designed robot from LEGO® MINDSTORMS® parts, utilizing light, color, and motion sensors
- Implemented an algorithm in Java to navigate a maze from any starting point, find target, & return using quickest route possible

LEADERSHIP AND ACCOMPLISHMENTS
President, GW Association of Computing Machinery, October 2016−Present
Computer Science Fellow, SEAS Summer Undergraduate Program in Engineering Research Fellowship, Summer 2016
Undergraduate Teaching Fellow, Department of Computer Science, Fall 2016−Present
Citizen Day Poetry Contest Winner, GW English Department, May 2016
Freshman Representative, The Association of Queer Women and Allies, August 2015−May 2016
Mentor, School of Engineering and Applied Science Student Peer Advisory Network, April 2016−Present

EXPERIENCE
The George Washington University Department of Computer Science, Washington, DC
Cybersecurity Camp Counselor, Summer 2016
- Assisted teaching cybersecurity camp curriculum to middle school girls and encouraged students to pursue engineering
- Fostered a classroom environment that encourages interaction and collaboration among camp students

Breakthrough Collaborative, Fort Worth, TX
8th Grade Chemistry Teaching Fellow, Summer 2015
- Selected from over 100 applications for a pre-professional teaching residency program that helps high-achieving, underrepresented students in the classroom.
- Authored and taught Chemistry curriculum, achieving 328% student growth in post-assessment scores.
- Facilitated a daily film club for students and wrote unique college-level curriculum and lesson plans.

The Wendy Davis For Governor Campaign Headquarters, Fort Worth, TX
Data Intern, Fall 2014
- Used SQL, VAN, and Excel to produce specialized lists of targeted voters for canvassing and communication
- Assisted with acquisition, processing, and analysis of voter data during early vote and GOTV

TECHNICAL SKILLS
Languages: Java, C, R, LaTeX, HTML, CSS, Python, JQuery, SQL, JavaScript, Scala
Software: Mathematica, VPython, Git, VAN, DBVisualizer, GIS, MATLAB, Play Framework (MVC)
Spoken Languages: Spanish (fluent), English (native)