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: 3.36, Computer Science GPA: 3.5

RESEARCH EXPERIENCE AND TECHNICAL PROJECTS

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

Systems Engineering Research, The George Washington University, November 2015–Spring 2016
- Wrote JavaScript survey for Mechanical Turk to parse cache of 96,000 articles on guns and gun control for identifiers (pro- vs. anti-gun) and the occurrence of different methods of argument
- Analyzed variance in survey results in R, mapping the correlation between methods of argument and number of Facebook shares and comparing results to outcomes predicted by Fuzzy Trace Theory
- Created html page for project and detailed annotation guidelines for Mechanical Turk users

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
University 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)