SARAANN STANWAY
SOFTWARE ENGINEER

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EDUCATION

Rutgers University 2019
Honors College scholar
Pursuing B.S. in Computer Science
GPA: 3.688

EXPERIENCE

May 2018 to Aug. 2018

Twilio · Software Engineering Intern · San Francisco, CA
Built internal backend services and tools to support provisioning, deploying and managing Twilio's globally distributed cloud infrastructure
Used Java to build service suspension for automated microservice remediation system as betterment for recent autoscaling malfunction
Built API to support cloud services management UI using Python

June 2017 to Aug. 2017

Wellthy · Software Engineering Intern · New York, NY
Independently designed and built dashboard for use in customer engagement analytics across industry partnerships
Provided ability to view platform utilization and distribution services used, promoting partnership relations and company growth

June 2017 to Aug. 2017

HackNY Fellowship · Class of 2017 · New York, NY
Member of an intensive program made to integrate top tech students into NYC startup ecosystem
Connect with and receive resources and lectures from prominent individuals in NYC technology community

June 2016 to Aug. 2017

Aresty · Summer Research Fellow · New Brunswick, NJ
Worked with a Ph.D team on SOCRATES, a platform to collect, analyze, and graph data from social media
Upgraded caliber of analysis by integrating user-generated formulas

Sept. 2016 to May 2017

Rutgers University · Teaching Assistant · New Brunswick, NJ
Independently planned and led recitation sessions for 20+ introductory computer science students
Met variety of learning styles and developed instruction methods compatible with needs of diverse student knowledge

LEADERSHIP

May 2017 to Current

Undergraduate Student Alliance of Computer Scientists · President
Manage 20 person executive team to create and maintain thriving community of undergraduate technologists
Increased female community involvement by over 300% through mentorship, inclusion & outreach programs
Working with faculty to address curriculum pain points and improve student academic experience in all courses
Collaborating with NY Human Trafficking Response Unit to launch open-source initiative in which undergraduates hone their skills by building tools to apprehend human traffickers

Sept. 2017

RUniteCS · Founder
Launched outreach program which boosts tech excitement in k12 students through Google Hangouts panels hosted by computer science undergraduates
Coordinate teams of college mentors for mentorship at local high school hackathons
Program currently engages over 17,000 students and plans are underway to extend involvement to university partners with MLH

Current

Rutgers Computer Science Tutoring Services · Manager
Coordinate 11 person team to teach, guide, and advise underclassmen through introductory computer science courses
Create and conduct bystander intervention training to ensure safe and welcoming environment for all students
Spearhead program to maintain and improve CS common room

SKILLS

Python, C, Java, SQL, Git, Linux, Django, Flask, Chef

PROJECTS

July 2018 to Aug. 2018

Garfield | New York Human Trafficking Response Unit
Open source contributor to Twilio bot assisting NYPD in apprehension of buyers of underground commercial sex

Jan. 2018 to May 2018

Scheduler and Virtual Memory
Used C to develop thread scheduler with cross between FIFO and Round Robin algorithms for prioritization and time allocation
Created virtual memory system with segmented paging structure, supporting malloc, free, and the creation of swap files

Dec. 2017

Snapenger Hunt
Photograph scavenger hunt built with Python, MongoDB
Users send photos to a Twilio number and are awarded points based on similarity to custom trained Clairifai model

HONORS AND AWARDS

May 2018

Rutgers University · Cap and Skull Senior Honors Society
Rutgers University's highest honor, to which the top 18 student leaders of 32,000 are granted membership

Aug. 2018

Google · Grace Hopper Celebration Scholarship
Full scholarship to attend Grace Hopper Celebration of Women in Computing, based upon demonstrated dedication to the application of tech as a tool for social good and the promotion of women's participation in the technology industry