

EDUCATION

Rutgers University 2019

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

SKILLS AND COURSEWORK

Languages: Python, C, Java, SQL
Tools: Git, Linux, Django, Flask, Chef
Classes: Operating Systems, Grad Databases, Grad Algorithms, Artificial Intelligence, Distributed Systems, Programming Languages, Internet Technology

EXPERIENCE

TWILIO

Software Engineering Intern

San Francisco, CA
May 2018 to Aug. 2018

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 autoscaling malfunction
Built API to support cloud services management UI using Python

WELLTHY

Software Engineering Intern

New York, NY
June 2017 to Aug. 2017

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

HACKNY FELLOWSHIP

Class of 2017

New York, NY
June 2017 to Aug. 2017

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

ARESTY

Summer Research Fellow

New Brunswick, NJ
June 2016 to Aug. 2017

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

RUTGERS UNIVERSITY

Teaching Assistant

New Brunswick, NJ
Sept. 2016 to May 2017

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

PROJECTS

SUBADUBDUB

Sept. 2018

An automated video dubbing application built with Google Cloud Platform, Python/Flask, moviepy and pydub, providing true-to-time foreign language dubbing in any language supported by GCP
Built with a team of 4 in 36 hours and awarded 1st place at PennApps XVIII

GARFIELD | NEW YORK HUMAN TRAFFICKING RESPONSE UNIT

July 2018 to Aug. 2018

Open source contributor to Twilio bot assisting NYPD in apprehension of buyers of underground commercial sex

SCHEDULER AND VIRTUAL MEMORY

Jan. 2018 to May 2018

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

SNAPENGER HUNT

Dec. 2017

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

PennApps XVIII · GRAND PRIZE

Sept. 2018

Won first place of over 200 submissions for automated TV show dubbing application. Awarded based on usefulness, technical challenge, and project functionality

PennApps XVIII · BEST USE OF GOOGLE CLOUD PLATFORM

Sept. 2018

Used Google text-to-speech, speech-to-text, and translation APIs to create automated TV show dubbing application

Rutgers University · CAP AND SKULL SENIOR HONORS SOCIETY

May 2018

Rutgers University's highest honor, to which the top 18 student leaders of 32,000 are granted membership

Google · GRACE HOPPER CELEBRATION SCHOLARSHIP

Aug. 2018

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

LEADERSHIP

UNDERGRADUATE STUDENT ALLIANCE OF COMPUTER SCIENTISTS · President

May 2017 to Current

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
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

RUNITECS · Founder

Sept. 2017 to Current

Launched national 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