MELISSA LOPEZ

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EDUCATION

NEW YORK UNIVERSITY
COLLEGE OF ARTS AND SCIENCE

Bachelor of Arts in Computer Science, 2018
Minors: Mathematics, Digital Art + Design
GPA: 3.68 / 4.00

Honors: Dean's Scholar,
2016 President's Service Award

Selected Coursework:
Applied Internet Tech, Graphics,
Robotics, Ideation+Prototyping,
Calculus I-III, Linear Algebra
*Fall '17: Large Scale Web Apps,
Interactive Computing, Design I - II*

SKILLS

LANGUAGES
Java, JavaScript/jQuery, HTML,
CSS/Sass, Python, C, MATLAB

FRAMEWORKS / TOOLS
Node.js, Express.js, Handlebars.js,
Bootstrap, MongoDB, Illustrator,
Photoshop, InDesign, Marvel,
Django (familiar)

PROJECTS

CAS COHORT CUP TRACKER
FALL 2016
Built a companion web app for the
*NYU College of Arts and Science
Cohort Cup,* allowing for automated
score keeping and public access to
current standings.

DISC ROBOT PATH PLANNING
SPRING 2017
Implemented Soft Subdivision Search
algorithms in MATLAB to find safe
paths of travel for a disc robot.

THE DOODLER
SPRING 2017
Created an interactive spline editor
made possible by a custom matrix
manipulation library.

EXPERIENCE

GIRLS WHO CODE @ PFIZER | Teaching Assistant
JUNE 2017 - AUGUST 2017
Taught on a team of 6 teachers/TAs to equip 40
high school girls with fundamental CS skills
(Scratch, Python, Robotics in Arduino C,
algorithms and web development), while fostering
a tight-knit sisterhood around the values of bravery
and resilience.

COURANT INSTITUTE | Python Tutor
SEPTEMBER 2015 - MAY 2016
Served hundreds of students in NYU's *Introduction
to Computer Programming* course, offering tutoring
during class sections three times a week, as well
as after class hours in walk-in lab tutoring
sessions.

 # BETTER SEX TALK | Graphic Designer
FEBRUARY 2015 - MAY 2017
Produced and published the visual content for a
college campus photo campaign to raise aware-
ness for issues re: sexual assault and the
shortcomings of modern sex education. In
partnering with several organizations and colleges
around the country, I helped develop the brand
and messaging into an internationally viral
campaign.

NYU ADMISSIONS | Admissions Ambassador
JANUARY 2015 - MAY 2017
Represented the public face of the university by
conducting personalized campus tours to groups
of 30 weekly, working the admissions office hotline,
and participating in university-wide admissions
events which entailed speaking to audiences
of 400+ students and their families.

CAMPUS
LEADERSHIP

COLLEGE OF ARTS AND SCIENCE | College Captain
MAY 2016 - MAY 2017
Collaborated with administrators, advisors, and student
leaders to engage first-year CAS students with the college.
I dramatically increased participation in the *Cohort Cup*
competition by engaging with hundreds of students in
online challenges, and redesigned the program's
visual language both in the curriclum and on social media.

COLLEGE OF ARTS AND SCIENCE | College Leader
AUGUST 2015 - MAY 2016
Equipped 34 first-year CAS students with a strong
community at NYU by facilitating bi-weeky cohort meetings
on topics such as academic challenges, campus resources, and
cross-cultural communication. I promoted university initiatives and
hosted 6 programs around diversity and inclusion, health and
wellness, academic inquiry,
service, and college life.