

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 curriculum 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-weekly 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.