MELISSA LOPEZ

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EDUCATION

NEW YORK UNIVERSITY
COLLEGE OF ARTS AND SCIENCE

Bachelor of Arts in Computer Science, 2018
Minors: Mathematics
GPA: 3.7 / 4.0

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

Selected Coursework:
Applied Internet Tech, Computer Graphics,
Robotics, Calculus I-III, Linear Algebra,
Large Scale Web Apps, Interactive Computing
Spring 2018: Machine Learning,
Open Source Software Development

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 by parsing information
from Facebook.

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

GOOGLE | Engineering Resident
JULY 2018 - PRESENT

NYU COURANT INSTITUTE | Grader
SEPTEMBER 2017 - PRESENT
Assist NYU professor, Joe Versoza, with course
grading for Applied Internet Technology, a full-stack
web dev course, and Intro to Programming in
Python.

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.

NYU 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.

NYU ADMISSIONS | Admissions Ambassador
JANUARY 2015 - MAY 2017
Represented the university by conducting
personalized weekly campus tours to groups
of 30 visitors, 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.