

# 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  
STARTING JULY 2017

**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 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.