

Yasmeen Roumie

69-25 Harrow Street, Forest Hills, NY, 11375

(917) 669-3554 | yasmeenroumie@gmail.com | github.com/y4smeen | [linkedin.com/in/yroumie](https://www.linkedin.com/in/yroumie)

TECHNICAL SKILLS

Frontend: Javascript, jQuery, Ajax, HTML, CSS, JSON, Bootstrap, Wordpress

Backend: Python, Java, C, MySQL, SQLite, MongoDB, Flask, Google Maps API, IBM Watson API, Twitter API, SoundHound Houndify API, AlchemyAPI

Other: Digital Ocean, Git, Microsoft Office, Adobe Photoshop, Premiere Pro, Illustrator, Atlassian Confluence, Arduino

EDUCATION

Stuyvesant High School

Sep '12 – June '16

Relevant Coursework: Intro to Computer Science I & II, AP Computer Science, Software Development

Online Coursework: Computer Science 50 (Harvard)

EXPERIENCE

NASA, Kennedy Space Center

Jun 2015 – Aug 2015

Integration Engineering Intern – Launch Services Program

- Built a Confluence wiki pilot for several divisions within the Launch Services Program to redesign their workflow.
- Administered a center-wide collaboration event to collect information on center processes and capabilities.
- Coauthored “**A Process for Capturing the Art of Systems Engineering**” and submitted to The International Council on Systems Engineering.

Harvard Medical School, Dymecki Genetics Lab

Aug 2013, Aug 2014

Research Intern

- Utilized specific genetic lab techniques such as perfusion, polymerase chain reaction (PCR), gel electrophoresis and confocal microscopy to study serotonergic neurons.
 - Conducted frozen section histology on mouse brains using biological microtome cryostat.
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EXTRACURRICULARS

FIRST Robotics

Sep 2012 – Present

Head of Programming – FTC 310 Stuy Fission

- Teaches new programming recruits how to write manual and autonomous robot code in Java for annual competitions.
- Invited to compete in Cleveland, St. Louis, NYC, China.

StuyHacks

Jul 2015 – Present

Director of Finance

- Initiated first hackathon at school and currently leads the finance group to securing company sponsorship.

Zero Robotics

May 2014 – Present

Webmaster, Strategist – StuyNaught

- Analyzes virtual extraterrestrial robotic simulations for programming competition.
- Collaborated on code with international teams from Italy, Romania, and Germany.
- Attended finals at MIT to have astronauts run my team's robot code live on the International Space Station.
- Established and maintains team website, <http://stuynaught.github.io/>.

VOLUNTEERING

Forest Hills Robotics League

Sep 2006 – Present

Head of Mentorship

- Cofounded local robotics league for teaching STEM to young students in Tristate Area.
- Developed robotics curriculum to introduce young students to engineering/programming.
- Mentors Girl Bots, an all-girls robotics team. Assists in the design of the annual research project: taught Android Studio app programming and helped engineer color LEGO sorter.

Zero Robotics Finals

August 2015

NASA Speaker and Co-organizer

- Invited to speak about my robotics experience to students alongside former astronaut Greg Johnson.
- Featured on NASA Twitter: https://twitter.com/NASA_LSP/status/632204390498201601

AWARDS

Apr 2015	Dream It. Code It. Win It. – Microsoft Award <ul style="list-style-type: none">• Built The Realest, a Python web application that utilized the Google Maps API to allow users to find areas with certain stores, restaurants, or amenities.
May 2015	Hack to the Future – Winner <ul style="list-style-type: none">• Constructed a Mini DeLorean: Intel Edison powered car with LEGO wheels & axles, servo-mechanized gull-wing doors. Arduino code, controlled with phone app or glove.
June 2015	HackMann – First Place <ul style="list-style-type: none">• Developed a trip planning Python web app, On the Road, that sets waypoints (Google Maps API) and schedules events (Google Calendar API).• Created SQLAlchemy database so users can view and attend public events.
Dec 2015	NCWIT Aspirations in Computing National Award – Runner Up
Jan 2016	Bloomberg Affiliate Aspirations in Computing Award – Winner