

## Lysander Pena

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### EDUCATION

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**Stony Brook University**

*Bachelor of Science in Computer Science*

Stony Brook, New York

Expected 05/2020

**Forest Hills High School**

*Advanced Regents Diploma*

*Cumulative GPA: 4.0; Honors/Awards: Mastery in Mathematics, Mastery in Science;*

Forest Hills, New York

09/2013-06/2016

### WORK EXPERIENCE

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**New York Hall of Science**

*Program Explainer*

Corona, New York

10/2013-Present

- Engage visitors at over 400 hands-on science and technology exhibits
- Perform 4 science based demonstrations for up to 75 visitors
- Served as a resource for other explainers by providing feedback during their practices when learning demonstrations
- Developed and prototyped of new program content
- Facilitate design based activities for family and school audiences in Design Lab
- Facilitate activities in in-house public programs and education events
- Presented for the Board of Directors

**New York Hall of Science**

*Make Academy Facilitator*

Corona, New York

07/2016-08/2016

- Collaborated with a team of facilitators to assist 24 students in creating projects to showcase at Maker Faire
- Provided creative solutions to problems the children faced while creating their projects
- Conducted lessons in woodworking skills, 3D modeling software, and electrical circuit creation

**Forest Hills RoboRangers**

*Builder*

Forest Hills, New York

10/2015-03/2016

- Collaborated with a team of programmers and builders to create a robot to compete in the FTC robotics competition
- Designed and assembled the robot
- Documented progress and goals for the team

### LEADERSHIP AND VOULNTEER EXPERIENCE

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**W!se Quality of Life Innovations Competition**

*Group Leader*

Forest Hills, New York

11/2015-04/2016

- Lead my group in conducting primary research (created a survey and conducted an interview) and in prototyping a creative solution to a quality of life issue in New York to compete for a scholarship
- Borough Leader
- Creativity Award

**Project Cicero**

*Volunteer (Forest Hills High School)*

Manhattan, New York

03/2015

- Transported and organized books for the book drive

**Strawberry Festival**

*Volunteer (Forest Hills High School)*

Brooklyn, New York

01/2016

- Managed a strawberry eating competition for children attending the event

### SKILLS & INTERESTS

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*Languages:* **Spanish** Fluent (Speaking ,Reading ,Writing)

*Computer Skills:* Proficient in HTML, CSS, Microsoft Word, Powerpoint, TinkerCad, Silhouette Studio

*Technical Skills:* Proficient at soldering, Proficient with woodworking

*Awards:* Stony Brook Hack Health Best Design Award

*Interests:* Front-end development, Back-end development