

**Luis Miguel Esquivel**  
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**EDUCATION**

**Cornell University**, College of Engineering, Ithaca, New York Expected May 2027  
Bachelor of Science, Mechanical Engineering

**Relevant Coursework:** Fluid Dynamics; Thermodynamics; System Dynamics; Statics and Mechanics of Solids; Mechanical Design  
**Skills:** Java; MATLAB; Fusion 360; CAD; ADP Payroll; Power tools; Google Sheets

**PROFESSIONAL EXPERIENCE**

**FIRST Robotics - Head Builder** Staten Island, NY  
10/2022-06/2023

- Provided team with idea to use forklift mechanism on the robot and assigned robot its name
- Utilized drill press, table saw, sanding belt and other **power tools** throughout robot synthesis
- Constructed forklift-like robot with the goal of completing numerous tasks on designated playing field such as placing cones on elevated pvc pipes
- Enlightened peers and underclassmen on how to properly and safely use power tools such as the table saw and drill press
- Originated unique ways to solve problems faced throughout the ordeal of engineering a robot

**Ingenuity Construction - Part-Time Payroll Manager** Brooklyn, NY  
06/2021-06/2023

- Effectively recorded hours worked for each employee via **Google Sheets**
- Calculated payroll of all 12 employees using **ADP Payroll Program**
- Installed power outlets and wired light switches using 12/2 and 12/3 BX cables under guidance of licensed electrician

**CAMPUS INVOLVEMENT**

**Society of Hispanic Professional Engineers**, Cornell University, Member  
**Alpha Sigma Phi**, Cornell University, Director of Social and Philanthropy Events  
**Puerto Rican Student Association**, Cornell University, Member  
**Cornell Bowling Team**, Cornell University, Member  
**Cornell Anglers Society**, Cornell University, Member  
**Coffee Club**, Cornell University, Member

**VOLUNTEERING / LEADERSHIP**

**FIRST Robotics Competition** 09/2019-05/2023

- Assisted 8 teams of younger students with utilizing Lego Mindstorm EV3 program by informing them about what certain functions did and how they correlated to the robot’s movement
- Instructed underclassmen on how to assemble basic structure of Lego robot
- Refereed 2 Junior FIRST Lego League competitions, providing accurate data on how many points each team scored

**Stockings for Soldiers** 12/2019

- Filled over 3,200 stockings with essential goods to be sent out to United States soldiers who are deployed overseas
- Liaised with local funeral home as well as Holy Name Society to gather products

**Bread of Life Food Drive** 06/2022

- Worked as team to compile and categorize food items into numerous groups
- Loaded the organized food into vehicles to be transported to multiple homeless shelters

**HONORS/AWARDS**

AP Scholar Award  
National Honor Society  
Hispanic Recognition Award  
National Latin Exam Gold Medal

**ADDITIONAL EXPERIENCE**

**Cornell University Dining**, Ithaca, New York, *Part-Time Student Food/Hosp Assistant* 08/2023-09/2023  
**Handball Club**, Staten Island, New York, *President/Founder* 05/2022-06/2023  
**Alliz**, Tokyo, Japan, Marketing Research Intern 06/2025-08/2025