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EDUCATION

Cornell University, College of Engineering, Ithaca, New York
Bachelor of Science, Mechanical Engineering

Expected May 2027

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