

MANNY FACTURE

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Current Address: SMC 123, 5032 Forbes Avenue, Pittsburgh, PA 15289 **Cell:** (412) 511-4422

Permanent Address: 21 School Avenue, New York, NY 10014

EDUCATION

Carnegie Mellon University Pittsburgh, PA
Bachelor of Science in Mechanical Engineering, May 2018
Double Major in Engineering & Public Policy
Overall GPA: 3.0/4.0

New York High School New York, NY
High School Diploma, June 2014
GPA 3.82/4.0

PROJECTS

Mechanical Crane Project, Spring 2016

- Designed a mechanical crane using a truss structure to lift a weight to a pre-determined height, with size, stress and weight constraints
- Collaborated in a team by combining ideas to obtain a practical concept for the task

Mousetrap Car Project, Fall 2014

- Built a small vehicle to carry a can of soda ten feet as fast as possible with only the power of a Mousetrap
- Reached the finals of the competition by working with the team to improve our design

Computer Aided Wrench Design, Fall 2014

- Designed an aluminum wrench using Creo Pro/E and analyzed the design for stress concentrations with ANSYS
- Combined metal working skills with a CNC milling machine to produce prototype wrench

WORK EXPERIENCE

Student Life Office, Carnegie Mellon University
Student Receptionist, Summer 2015-present

- Answer telephone and route calls as appropriate
- Complete projects for staff, such as organizing data on spreadsheets

Happy Summer Camp Springfield, NJ
Camp Counselor, Summer 2014

- Created and coordinated activities for ten campers 10-12 years old
- Negotiated disputes between campers and helped to set-up for parents weekend

LEADERSHIP

Vice-President, American Society of Mechanical Engineers (ASME), Spring 2015-present

- Organize monthly speaker series, which has seven corporate and alumni presenters

Treasurer, Yearbook Club, New York High School, 2013-2014

- Managed the finances for the organization with a budget of \$5,000

SKILLS

Software: Microsoft Office, MATLAB, Solidworks, Creo Pro/E, Autodesk Inventor
Machines: Mill, Lathes, Drill Press, Band Saw
Language: Fluent in Spanish; Conversant in French

ACTIVITIES

Alpha Phi Omega Service Fraternity, Fall 2014-present
Intramural Sports: Softball, Volleyball, Fall 2014-present
American Society of Mechanical Engineers (ASME), Spring 2015-present
Orchestra, New York High School, 2010-2014

HONORS

College of Engineering Dean's List (GPA 3.75 and above), Fall 2014
National Honor Society, New York High School, 2014