

Joseph J. Apollo

japollo1@binghamton.edu | 516-350-7623 | 2876 Morgan Dr | Wantagh, New York 11793

EDUCATION & HONORS

Binghamton University, State University of New York

Bachelors of Science in Mechanical Engineering

Binghamton, New York

Expected May 2022

Overall GPA: 3.89/4.00

Awards: Watson School of Engineering Dean's list magna cum laude Fall 2018-2019, Spring 2019

Computer Skills: Microsoft Project, Excel, PowerPoint, Word, MATLAB, Solid Edge, Autodesk Inventor, AutoCAD

TEAM PROJECT EXPERIENCE

MCA Student Competition, Mechanical Contractors Association

2019 Penn South Chiller Replacement

Binghamton, New York

September 2019-December 2019

- Cooperated with team to construct bid for replacement and installation of three 900-ton chillers and cooling tower
- Reviewed drawing package to develop estimate including demolition, mechanical, electrical, equipment schedules, and related specification and details

Conceptual Design Project, Watson School of Engineering

Energy Efficient Bread Toaster

Binghamton, New York

January 2019-May 2019

- Researched solutions in a team to improve energy efficiency of the toaster while obeying requirements, drafting sub-requirements, and conducting verifications of those
- Produced final report with team including final and alternative designs and presented PowerPoint review

Reverse Engineering Project, Watson School of Engineering

Egg Cooker Project

Binghamton, New York

October 2018-December 2018

- Collaborated on team to disassemble an egg cooker and conducted product research to find viable innovations
- Created final report including Gantt Chart, Bill of Materials, and presented PowerPoint outline of final report

Arduino Project, Watson School of Engineering

Mario Kart Reaction Timer

Binghamton, New York

August 2018-October 2018

- Worked on team to create new game by assembling circuit and soldering connections for expo and took 2nd place
- Managed project schedule, team meetings, and presented PowerPoint summary of project details

WORK EXPERIENCE

CPI Aerostructures Inc

Proposal Management / Estimating Intern

Heartland, New York

July 2019- August 2019

- Assembled Bills of Materials for different types of parts by observing detailed drawings of those and assemblies
- Estimated the machining, assembly, treatment, and timing costs to obtain final price per piece

South Shore Elite Organization

Batting Practice Assistant / Coach

Wantagh, New York

January 2018- August 2019

- Mentored clients from ages 12 to 17 and demonstrated proper technique while coaching games and practices

Kelley Floor Covering

Warehouse Manager

Bellmore, New York

May 2019-July 2019

- Coordinated and trained workers for organizing, cutting, and storing rugs, hardwood flooring, and padding
- Conducted inventory of materials in warehouse/store and updated measuring, cutting, and installation schedules

ADDITIONAL EXPERIENCE

Mechanical Contractors Association

E-Board Secretary

Binghamton, New York

August 2018-Present

- Actively attend meetings, career fairs, and contributed background information towards the 2018 Indiana Hoosiers Football Stadium Concession Kitchen Project and took on key role in 2019 Chiller Replacement Project

American Society of Mechanical Engineers

National Member

Binghamton, New York

August 2018-Present

- Actively attend meetings and seminars about useful computer and physical skills from various colleagues