

# SALLIE N. GINEER

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## EDUCATION

**Bachelor of Science, Mechanical Engineering and Aerospace Engineering (Double Major), May 20XX**

*University at Buffalo, The State University of New York*

- Honors: Dean's List, GPA: 3.2/4.0

## ENGINEERING WORK EXPERIENCE

**Engineering Intern, FS-Elliott, Export, PA, May 20XX - August 20XX**

*Project: Motor Vibration Isolation System*

- Identified critical design requirements and range of solutions for a group project utilizing QFD tools.
- Developed Tuned Vibration Neutralizer effective for motors of various sizes and operating frequencies.
- Optimized design parameters using MatLab, Simulink and Excel to run simulations.
- Built a scaled prototype with a team of 3 and reduced motor vibrations by more than 99%.
- Managed group meetings as team leader and monitored quality of work delivered by each member.

## ENGINEERING PROJECTS

**Modification of a Box Fan Design Using Creo Parametric, Fall 20XX**

- Proposed modification of Box Fan by adding multiple foldable legs with caster wheels for enhanced maneuverability and a bracket for holding legs.
- Performed Finite Element Analysis (FEA) during 5 tests to measure stress-strain behavior of brackets.
- Created bill of materials (BOM) for all raw materials and produced cost analysis for 40 parts.
- Designed 10 parts of the Box Fan using Creo Parametric to sketch a final assembly drawing.

**UB NanoSat Power Subsystem Team, Fall 20XX - Spring 20XX**

- Researched and tested power board systems to provide controlled power to other subsystems of student designed cube-satellites, GLADOS, based on energy input from other solar panels.
- Verified power board worked as required using a controlled power supply source to ensure reliable external voltage equaled 12 volts.
- Ran tests on panels and board to ensure proper functioning inside a vacuum facility with natural sun radiation within a Clean Room.

## TECHNICAL SKILLS

Computer Skills: Windows OS, Linus OS, Microsoft Excel

Programming Languages: MatLab/Simulink, Knowledge of C++

Drafting Programs: AutoCAD, Creo/Creo Parametric, ProEngineer

## ADDITIONAL WORK HISTORY

**Shift Manager, McDonalds, Amherst, NY, August 20XX - January 20XX**

- Trained 1 new employee every month on how to interact with customers and take orders in a professional and courteous manner.
- Resolved customer concerns by listening and identifying root issue and implementing best resolution possible at least 10 different occasions.

## LEADERSHIP EXPERIENCE AND ACTIVITIES

**President, Society of Women Engineers (SWE), August 20XX - present**

**Member, Theta Tau (Professional Engineering Fraternity), September 20XX - present**