# 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