

## **Gurleen Vilku**

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### **OBJECTIVE**

An engineering internship applying specialization in biomedical engineering; open to relocation.

### **EDUCATION**

The Ohio State University, Columbus, OH  
B.S. Biomedical Engineering

Expected Graduation: May, 2021  
Overall GPA: 3.66 (4.00 scale)

### **ENGINEERING EXPERIENCE**

**Microsystems and Nanosystems Laboratory**, Columbus, OH

Undergraduate Research Assistant, May 2018 – Present

- Fabricating a synthetic device that mimics a blood vessel system
- Understanding what variables, such as an electric field and flow, affect the permeability of endothelial cells

### **VOLUNTEER EXPERIENCE**

**James Cancer Hospital**, Columbus, OH

Volunteer, January 2018 – Present

- Promoted art therapy by discussing art pieces and its importance to patients and visitors
- Restocked supplies on the hospital floor while interacting with nurses, doctors, patients, and visitors

### **ACADEMIC PROJECT EXPERIENCE**

**AEV Design Project**, January 2018 – May 2018

- Collaborated with four team members to design, create, and test an advanced energy vehicle
- Created preliminary design in SolidWorks, constructed prototype, and documented progress
- Met weekly to review objectives and progress

### **SKILLS**

- **Coursework:** Physics, Calculus Series, and General Chemistry
- **Technical:** AutoCAD, MATLAB, MS Word, PowerPoint, Excel, and SolidWorks
- **Communication:** Bilingual (English and Hindi), Conversational in French (5 years of coursework)
- **Presentational:** Enhancement of leadership and presentational skills through group projects

### **ACTIVITIES**

**Mount Leadership Society**,

Member, August 2017 – Present

- Developed leadership skills based on five mount essentials: integrity, following through, nurturing relationships, valuing individuals, and willingness to teach others
- Attended weekly meetings to reinforce leadership skills

### **STEM Outreach**

- Engaging K-12 students in science, math, and technology related projects and experiments

**Biomedical Engineering Society**

Professional Development Committee Member, June 2018 – Present

- Interacting with biomedical engineering students from all years
- Reaching out to different engineering companies in order to hold events for the society.