

# JARED M. LAMSON

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## SUMMARY

Goal- focused Biomedical Engineering Major looking to specialize in biomaterial research. Eager to use time management and detail orientation skills in adapting academia to a clinical environment.

## EDUCATION

**Engineering: Biomedical Engineering**, University at Buffalo, The State University of New York, May 2025

- Bachelors of Science in Biomedical Engineering
- GPA: 3.94/4.00
- Relevant course work: Engineering Computations, Statics, Electrical Engineering
- Member of the University at Buffalo Honors College

**Music Performance: Clarinet**, University at Buffalo, The State University of New York, May 2025

- Bachelors in Music Performance
- GPA: 4.00/4.00
- Relevant course work: Music theory and Analysis 1 and 2

## PROJECTS

**BME Design Project:** English

- Directed a group research project, intended to develop shoe inserts to help decrease shin splints occurrences in college runners from 85%-50%
- Studied applications of shape memory polymers in relieving stress related injuries due to running more than 50 miles per week
- Presented research on prototype shoe inserts to a panel of professors, teaching assistants, and students

**Engineering Wind Turbine Project:** English

- Conducted a group study focused on designing a model wind turbine
- Performed a series of tests aimed at tweaking seven design criteria for most efficient power production
- Presented findings to a board of professionals to determine if the design would receive further funding

## EXPERIENCE

**Lifeguard, CDPHP Ciccotti Center, Albany, New York:** June 2023 - Present

- Trained in professional CPR/AED and lifeguarding techniques to increased chance of victim survival in an emergency situation by 50%
- Cooperated with a team of 3-4 lifeguards to ensure the proper pool efficiency and patron safety

**Lifeguard, Ravena Coeymans Selkirk Pool, Ravena, New York:** Summer 2020

- Trained in professional CPR/AED and lifeguarding techniques to increased chance of victim survival in an emergency situation by 50%
- Oversaw groups of 50+ swimmers and manage swim lessons with another lifeguard

## COURSES

- Calculus 3(MTH 241), Differential Equations(MTH 306), Electrical Engineering(EAS 200), Introduction to Biomedical Engineering(BE 201), and Public Speaking