

# Alex Patel

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## Objective

Biomedical Engineering student aiming to contribute to medical device development as an RD Intern at SHPE, utilizing skills in CAD, MATLAB, and prototyping.

## Education

### B.S. in Biomedical Engineering

Expected May 2026

University of Medtown, Medtown, ST

GPA: 3.8/4.0 | Relevant Coursework: Biomechanics, Medical Device Design, Biomaterials

## Skills

- Technical: SolidWorks, MATLAB, 3D Printing, LabVIEW
- Analytical: Prototype Testing, Data Analysis
- Soft Skills: Problem-Solving, Team Collaboration, Technical Writing

## Experience

### Research Assistant

University of Medtown

Jan 2024 – Present

- Designed 3D models of medical implants using SolidWorks, improving design accuracy by 10%.
- Conducted biomechanical testing using LabVIEW for data acquisition.
- Collaborated with a team to develop biocompatible material prototypes.

### Intern

BioMed Innovations

Summer 2023

- Assisted in prototyping wearable medical devices using 3D printing.
- Performed quality control tests to ensure device functionality.

## Projects

### Wearable Device Project

Fall 2023

- Developed a prototype for a wearable heart monitor, reducing power consumption by 12%.
- Presented design at the Biomedical Engineering Symposium.