

Betty Biomedical

Phone: 410-123-4567 • Email: engineer@gmail.com

EDUCATION

Stevenson University, Owings Mills, MD

Bachelor of Science in Biomedical Engineering,

Expected: May 20xx

RELEVANT COURSEWORK

- Problem Solving and Design
- Biofluid
- Thermodynamics
- Biostatistics
- Biomechanics
- Biomaterial
- Chemistry
- Calculus

TECHNICAL SKILLS

- OnShape CAD
- Markedforged 3D Printer
- Python – Arduino Programming
- Basic Circuits - Soldering

SPECIAL COURSE PROJECT EXPERIENCE

Introduction to Biomedical Engineering, Stevenson University

Fall 20xx

- Worked as a team with three other students to design and build gripper controlled by muscle signals (EMG) to pick up ball or plastic cup
- Programmed an Arduino to read muscle signals
- Built mechanical gripper that was powered by a servo

Problem Solving and Design, Stevenson University

Spring 20xx

- Collaborated with team of three students to design and build wearable sensors to measure heart rate variability
- Programmed an Arduino to detect the EKG and calculate heart rate variability
- Designed an electronics housing using OnShape CAD and printer using Markforged 3D printer

EXPERIENCE

Engineering Intern, Medical Device Company, Baltimore, MD

October 20xx – Present

- Designed and built prototype to demonstrate the feasibility of a new sensor technology using an Arduino and 3D printed components
- Presented the design and test results to the engineering team

Research Assistant, Stevenson University, Owings Mills, MD

January 20xx – May 20xx

- Investigated the design of artificial heart valves
- Constructed pulsatile flow apparatus for testing heart valve prototypes
- Presented research results at annual School of Sciences poster session

ACTIVITIES

Member, Biomedical Engineering Society, Stevenson University

August 20xx – Present

Member, Badminton Club, Stevenson University

October 20xx – Present

