**CATHERINE DENISOWSKI**

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2308 Millstaff Court

Raleigh, NC 27613

(919) 818-9464

**EDUCATION**

**North Carolina State University**, Raleigh, NC

Bachelor of Science – Electrical Engineering, Computer Engineering, May 2023

University Honors Program, 3.99 GPA

**Cardinal Gibbons High School**, Raleigh, NC

4.45 (weighted) /4.0 GPA

**TECHNICAL PROJECTS**

**Mechanical Music Maker**, Freshman Engineering Design Project

Team Member , Fall 2019

* Researched feasibility of various design concepts
* Designed and animated a prototype using computer modeling software (3ds Max/Maya)
* Built, tested, and debugged initial implementation
* Demonstrated finished project in university-wide competition

**Automatic Blood Sugar Monitor Prototype**, Duke TIP Field Studies Project

Team Member, Summer 2018

* Designed an implantable device to automatically measure blood sugar for those with Type I diabetes
* Researched current methods of measuring blood sugar levels
* Developed a physical prototype using 3D printing
* Presented device to peers, mentors, and those employed in the biomedical field

**SKILLS**

Programming languages – C, Verilog, Assembly Language (LC-3), Python

Software – Autodesk 3ds Max, Autodesk Maya, Photoshop

**ACTIVITIES**

Helping Hands Project – Case Design Team

Eta Kappa Nu – Member

IEEE – Member

Alpha Omega Epsilon – Member

Society of Women Engineers – Member

Violin and Piano– Formal lessons and self-study