

## Nathan Toland

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443-908-0757

## Personal Statement

As an aspiring mechanical engineer, I am passionate about leveraging my technical skills and problem-solving abilities to develop projects that will change lives. My primary goal is to learn and develop my skills so my impact on others can grow greater over time. To fulfill this goal, I would like to design and implement innovative solutions that address real-world challenges, particularly in underserved communities. I aim to combine my engineering expertise with a commitment to social responsibility, ensuring that my work not only advances technology, but also fosters positive change in society. My overall hope is to transform scarcities into abundances.

## Skills

- Programming: Python, MATLAB
- Mathematics: Calculus 1-3, Differential Equations, Boundary Value Problems (currently taking)
- CAD: Fusion 360, Onshape
- Problem solving, Adaptation, Dedication, Passion

## Education

August 2024 - (TBD) 2029

**Rochester Institute of Technology, 1 Lomb Memorial Dr, Rochester, NY 14623 - B.S.**

*Mechanical Engineering — Automotive Option*

- National Technical Institute for the Deaf (NTID)
- Cumulative GPA of 3.530, Dean's List
- Various clubs such as Skateboarding and Outing Clubs
- Current intention to get a minor in Environmental Studies

August 2020 - May 2024

**Archbishop Curley High School, 3701 Sinclair Ln, Baltimore, MD 21213**

- Class of 2024, GPA of 4.30, Honor Roll all terms
- Math National Honors Society: *Mu Alpha Theta*
  - Electric Vehicle Engineering via The Switch Lab™
  - First class of its kind in the region
- <https://catholicreview.org/archbishop-curley-students-build-ev/>

## Experience

April 2024 - August 2024

**The Pickleball House, Middle River, MD- Crew Member**

- Provided service to customers, including scheduling appointments and training.

## Extracurriculars

August 2024 - PRESENT

### **Climate and Sustainability Leadership Program @ Rochester Institute of Technology**

- Exploration and volunteering with sustainable businesses in the Rochester area

November 2023 - April 2024

### **The Sharing Table @ The Prince of Peace Catholic Church- *Volunteer***

- Packaging and distributing various essentials to hand out to families in need.

January 2022 - May 2024 (Graduation)

### **National Math Honor Society @ Archbishop Curley High School- *Tutor***

- Tutored studies in Algebra, Geometry, and Calculus

September 2022 - May 2024 (Graduation)

### **Service Club @ Archbishop Curley High School- *Volunteer***

- Volunteered in activities benefiting the local community

December 2022 - April 2023

### **Groceries 2 Go @ The Salvation Army- *Volunteer***

- Packaged boxes of various groceries for families in need.

## Hobbies and Interests

- Photography, Vinyl Records, Sports, Landscapes, Woodworking, Clothing, F1