

# Richard Li

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## PROFILE

College engineering student looking for internship and research opportunities!  
I make and break things... mostly for a good reason.

## EDUCATION

### Olin College of Engineering [Needham, MA]

May 2025

- BS Engineering: Computing
- Relevant Coursework: Design Nature, Infrastructure Studies, Modeling and Simulation of the Physical World, and Quantitative Engineering Analysis

### Troy High School [Troy, MI]

June 2020

- National Merit Scholarship Finalist and National Honor Society member
- Marching Band Clarinet Squad and Section Leader

GPA: 4.17      ACT: 36      SAT: 1550

## EXPERIENCE

### Olin Electric Motorsports — Telemetry: Real-Time Data Visualization

Sept 2021 - Present

[https://github.com/richardli03/formula\\_personal.git](https://github.com/richardli03/formula_personal.git)

Using Redis, Docker, Python, and Grafana to parse data taken off of an electric vehicle in motion and visualize it in a more accessible and readable way.

### OCCaM Lab — Visual Alignment with ARGeoAnchor

Sept 2021 - Present

Using Swift, ARKit and ARGeoAnchor to combine outdoor AR-based navigation with route recording.

### You Me: Story Album and Website.

Jan 2021 – Aug 2021

<https://richardli03.github.io/You-Me/>

Used Logic Pro X to create an album of 9 songs from scratch and used HTML, CSS, and JavaScript to code a website featuring the story that I wrote to accompany my album

### Personal Website

Jan 2021 – Aug 2021

<https://richardli03.github.io/Personal-Site/>

Coded a personal website using HTML, CSS, JavaScript and Bootstrap.

### English Tutor and Teacher

Aug 2018 - Present

Founded writing course "branch" at local non-profit The Michigan Youth Empowerment Foundation. Prepared and tutored kids in grades 5-9 to succeed on ACT, SAT, and AP tests.

### Olin Conductorless Orchestra — Original Composition

Sept 2021- Dec 2021

Used Sibelius to write and play an original piece arranged for the OCO entitled "Us".

## SKILLS

- Experienced with Logic Pro X, Audacity, and other Digital Audio Workstations
- Experienced with HTML, CSS, JS, Python.
- Plays piano, clarinet, and ukulele
- Fluent in Mandarin Chinese
- Machine Shop trained