

# Thomas Concannon

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## EDUCATION

### **Purdue University, West Lafayette, IN — Undergraduate**

AUGUST 2022 - MAY 2026 | 3.96 GPA | Bachelor of Science in Computer Engineering  
Currently striving towards a Bachelor's degree in Computer Engineering offered by the Elmore Family School of Electrical and Computer Engineering

Relevant coursework includes, Digital Design, Data Structures and Algorithms, Python for Data Science, and Software Engineering Tools

## PROJECTS AND RESEARCH

### **AD RayOptics — Purdue University | Vertically Integrated Projects**

SEPTEMBER 2023 - PRESENT

<https://github.com/guo-research-group/AD-Ray-Optics>

Working alongside a team of motivated individuals with a goal of publishing a AD RayOptics as a Python Package. The package is capable of simulating light ray reflection, refraction, and bending through different optics using auto differentiation and can assess the optical parameter gradients.

### **Enzyme Analysis — Purdue University**

JULY 2023 - AUGUST 2023

Worked with teammates alongside NaturalCatalysts Inc. to analyze enzyme test data using MATLAB to determine the optimal enzyme for clients and to be able to advertise accordingly.

## WORK EXPERIENCE

### **Undergraduate Teaching Assistant, West Lafayette, IN**

JANUARY 2023 - PRESENT

Worked in entry-level physics classrooms as well as a digital design lab. Demonstrated leadership by taking the initiative in classroom activities. Fostered student engagement by actively participating in their learning process.

### **Hearth Pizzeria, Needham, MA — Food Server**

AUGUST 2019 - PRESENT

## ACCOMPLISHMENTS

Achieved Dean's List and Semester Honors every semester thus far

Member of the National Society of Collegiate Scholars since March 2023

## SKILLS

Proficient with C, Python, MATLAB, Git and experience using Makefiles, System Verilog, HTML, CSS, and JavaScript

## EXTRA CURRICULARS

Purdue Electrical and Computer Engineering Student Society

Member of Sigma Nu Fraternity, Beta Zeta Chapter

Purdue University Ski and Snowboard Club

