

YASH V MOHOD

Ithaca, NY 14850 | mohodyash@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Ithaca College, Ithaca NY— BS Physics & Computer Science

August 2021 – Present

- GPA: 3.6
- Dean's list of Fall 2021, Spring 2022, Fall 2022
- Majors: Physics & Computer Science
- Minors: Mathematics

EXPERIENCE

Department of Physics and Astronomy Ithaca College, Ithaca NY— Student Researcher

August 2023 – Present

- Analyzing and Visualizing Data from the Optical Tweezers Simulation
- Developed application using WXpython to operate Optical Tweezers
- Utilizing the San Diego Supercomputer Center to run advanced particle and light simulations to study the behavior of different particles and their trajectories under various light beams

Dana Internship, Ithaca NY—

H&S Summer Scholar — June 2023 – July 2024

- Developed a simulation to model the heat diffusion in a metal rod using numerical solutions
- Presented the work at the American Physical Society March meeting 2024
- Currently working on a manuscript for publication with Professor Matthew C. Sullivan, Chair of the Physics and Astronomy Department at Ithaca College

H&S Summer Scholar — June 2022 – July 2022

- Collected experimental data from the Tolman-Stewart experiment
- Analyzed data to reduce the noise to enhance the resolution of the signal

Office of Public Safety Ithaca College, Ithaca NY— Operations Coordinator for Student Auxiliary Safety Patrol

Anzen Developer— July 2022 – PRESENT

- Developed and currently maintain Anzen, an in-house web application designed for efficient data logging of patrol records and time clock functionality
- Engineered the application using React.js (frontend), Flask (backend), and SQLite (database), delivering a cost-effective solution that saved the department \$15,000 annually

Operations Coordinator— October 2021 – PRESENT

- Responsible for scheduling, overseeing day-to-day operations, and serving on the SASP E-board to ensure smooth coordination and effective functioning of patrol activities

SKILLS

- Programming Languages: Python, Java, C, Javascript
- Technologies & Tools: ReactJS, Flask, Django, Git, VsCode, Linux terminal, GitHub
- Languages: English – Professional working proficiency; Hindi and Marathi – Conversational;