

CATHERINE YIP

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OBJECTIVE

Undergraduate optical engineering student seeks summer internship. Looking for an opportunity to learn and gain experience in a challenging technical team environment. Highly-motivated, organized, responsible, and detail-oriented. Areas of interest: photonics, physical optics, optical sensors, opto-mechanical systems.

EDUCATION

Bachelor of Science in Optical Sciences and Engineering, 3rd Year (Graduation May 2026)

Computer Science Minor

The University of Arizona, Tucson. GPA : 4.0

High School Diploma June 2022

Bellevue Christian High School, Clyde Hill, Washington. GPA : 4.0

SKILLS

Computer / Data Python, Java, MATLAB, Microsoft SQL, R Studio Shiny, Excel

WORK EXPERIENCE

Biomedical Optics and Optical Measurement Laboratory, University of Arizona Aug 2024-Current

Undergraduate Research Assistant

- Supporting professor and current PhD researcher
- Polarization Sensitive Optical Coherence Tomography (PS-OCT): brain tissue imaging
- Image processing with Python (matplotlib)
- Compare PS-OCT reference images to MRI

University of Arizona Mathematics Department, University of Arizona 2023

Teaching Assistant - Calculus II

- Answer student questions, lead discussion, attend office hours, grading

EXTRA-CURRICULAR ACTIVITIES

Student Optics Chapter Academic Chair, College of Optical Sciences. 2023-2024

Navigators Christian Ministry Student Club, Tucson, Arizona. 2023-2024

Washington Wild Girls Hockey Division AA, Shoreline, Washington. 2018-2022

HONORS

Arizona Distinction Tuition Scholarship

Academic Year Highest Academic Distinction

Dean's List with Distinction

Bellevue Christian High School Valedictorian