

Paige Sawyers

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Education and Honors

Bachelor of Science with Honors in Optical Sciences & Engineering 2017-2021

Minors in Mathematics and Mechanical Engineering

The University of Arizona, Tucson, AZ

GPA: 3.946 / 4.0

College of Optical Sciences Departmental Honors (October 2018)

Norman W. Edmund Merit Scholarship & OSC Class of 2016 Scholarship (August 2019)

Jack D. Gaskill Endowed Scholarship in Optical Sciences (August 2020)

Doctor of Philosophy in Optical Sciences 2021-present

The University of Arizona, Tucson, AZ

GPA: 3.927 / 4.0

Kenneth E. and Michele L. Moore Endowed Scholarship in Optical Sciences

Professional Experience

Alcon, Belmont, California June 2023-August 2023

Intern

- Perform optical metrology measurements on fully accommodating IOLs
- Analyze metrology data and present findings to subteams
- Design and integrate force sensor into R&D optical test equipment

University of Arizona Visual Optics Lab, Tucson, Arizona October 2018- present

Advisor: Dr. Jim Schweigerling

Research Assistant

- Calculate MTF and depth of focus for EDOF and multifocal IOLs
- Construct optical test bench to capture through focus PSF and MTF
- Create an image processing algorithm in MATLAB to

Bausch and Lomb, Clearwater, Florida June 2019-August 2019, June 2020-August 2020

Intern

- Create a partial non-sequential Zemax model to determine the effects of dysphotopsia in IOLs
- Study location and magnitude of aberrations on rejected IOLs using wavefront sensing
- Calibrate R&D lab metrology equipment

University of Arizona Think Tank, Tucson, Arizona August 2018- May 2021

Master Level Math Tutor

- Evaluate learning styles and provide appropriate techniques for understanding
- Organize and coordinate bimonthly professional development and content review meetings

Extracurricular Experience

Women in Optics Event Lead Coordinator 2022

Women in Optics Vice President 2023