

NSF QLCI-HQAN Industry Internship Program 2021-22

R&D Engineering Intern at Vescent Photonics

[Vescent Photonics](#), a recognized leader in precision lasers and laser control, seeks a highly motivated, hands-on intern to assist our talented development team with ongoing product development and contract-funded projects. The chosen candidate will participate in the development of advanced laser systems for precision measurements.



Job Duties:

- Assist laser development team with ongoing projects, including:
 - Data acquisition optimization
 - Fundamental laser modelling and simulation
 - Aligning optical test benches
 - Testing and debugging laser systems
 - Optical measurements and characterization
 - Electro-optical integration and testing
- Work independently on research and engineering projects.

Required Qualifications:

- Currently working towards earning a B.S. in Physics or Electrical Engineering, or equivalent technical degree
- Completed classwork with lab experience in at least one of the following subjects: optics, lasers, analog electronics, digital electronics, or embedded software
- Excellent verbal and written communication skills

Desired Skills:

- Optical alignment and characterization.
- Electrical measurements involving oscilloscopes, spectrum analyzers, multi-meters, and power meters.
- Programming and/or lab automation experience: Python, C/C++, Javascript/HTML/CSS, Matlab, and/or Labview.