

Christopher Pasquale

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Summary

Hardworking and detail oriented mechanical engineering college graduate pursuing a career in optics with strong technical and interpersonal skills.

Education

University of Delaware, Newark DE May 2019
Bachelor of Mechanical Engineering, Honors Degree
Minors: Physics, Math
GPA: 3.89/4.00

Work Experience

Mechanical Engineer June 2019 – August 2020
Phase Sensitive Innovations Inc., Newark DE

- Designed optical systems for various projects
- Collaborated with other engineering staff to determine suitable optomechanical design
- Constructed, aligned and qualified optical systems

Mechanical Engineering Intern January 2019 – June 2019
Phase Sensitive Innovations Inc., Newark DE

- Worked with engineering staff to design hardware for electro-optical systems
- Designed and built test equipment for systems currently under development
- Troubleshoot computer issues and upgraded computer hardware

Research Assistant June 2018 – December 2018
MuTT Lab, University of Delaware, Newark DE

- Studied microscale heat transfer
- Investigated thermal properties of epitaxial interfaces
- Experimented with class IV lasers, sputtering and X-ray reflectivity

Tutor, Supplemental Instruction Leader July 2017 – June 2019
Office of Academic Enrichment, University of Delaware, Newark DE

- Tutored a small group of students for a summer
- Led biweekly discussion sessions and nightly personal tutoring
- Held drop-in tutoring hours for math and physics during the semester

Research Assistant June 2017-February 2018
Zlab@UD, University of Delaware, Newark DE

- Investigated thermoelectric materials, specifically through phononic behavior
- Presented findings at multiple symposiums

Software Skills

MATLAB, Zemax, Solidworks, Fluent, Fusion 360, Python, Arduino, C++

Activities:

SAMPE (Secretary)	September 2017 - Present
German Club (Treasurer)	September 2016 - Present
Archery Club	September 2016 – May 2017