

COLLIN R. STROSHINE

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Experience 2018-19 Senior Year. **UNH SEDS** UNH, Durham, NH

Senior Project Team Leader

- Team goal to design a hybrid rocket engine to fly at annual Spaceport competition in New Mexico
- Individual responsibility to manage (6) senior members through many sub-projects, keep close contact with faculty advisor, and ensure assignment deadlines are met
- Attended annual SEDS conference in San Diego, CA

Summer/Winter 2018-2019. **Stingray Optics**

Keene, NH

Internship

- Assist senior opto-mechanical engineers to ensure incoming lenses meet specification.
- Design project to create a linear stage for optical Modular Transfer Function testing.
- Perform MTF testing on optical assemblies. Diagnose and report defects to assembly techs.

Winter 2017-2018.

Micro-Lam Inc.

Portage, MI

Internship

- Design project lead to improve set-up and performance of patented laser assisted diamond turning accessory for precision optical fabrication machines.
- Responsibilities include: Scheduling and organizing a weekly, collaborative design review with the engineering team. Reporting status and completion to company management.
- Create and update assembly and detailed manufacturing drawings using SolidWorks.

Summer 2017

Filtrine Manufacturing

Keene, NH

Internship

- Apprentice to senior engineer working to improve existing product designs for water filtration, heating and cooling devices.
- Reverse engineer existing fabrications for conversion to SolidWorks models.
- Create detailed manufacturing drawings from SolidWorks models.

Education Sep. 2016 – Present

University of New Hampshire

Durham, NH

- Currently in Senior year of studies for Bachelors of Science in Mechanical Engineering.
- UNH Students for Exploration and Development for Space (SEDS) Club member.

Familiar Engineering Tools/Software

- SolidWorks
- MATLAB
- AutoCAD
- Microsoft Office Applications

References

- Available upon request