

**Paul S. Schulman**  
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Portfolio: SchulmanAstro.com LinkedIn.com/in/pschulman

## Goal

Looking for full-time or student employment in Aerospace or Defense, preferably near Grand Rapids, MI.

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## Education

Purdue University Graduate School (2019 - present)

- M.S. Aeronautical and Astronautical Engineering
- Areas of study: *Aerodynamics and Space Applications* and *Aerospace Systems*
- Willing to switch from on-campus program to online program for full-time employment

B.S. Mechanical Engineering, Michigan State University (2019)

- GPA: 3.7
  - Concentration: Aerospace Engineering
  - Minor: Computer Science
  - Professional Certification in Geospatial Technology (expected October 2019)
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## Employment

MSU Smart Microsystems Laboratory Research Assistant (2016 - 2019)

- Research projects included an autonomous active river drifter, motorboat, sailboat, and ROV and a soft robotic glove.

Fraunhofer-MSU Center for Coatings and Diamonds CAD/Research Intern (2016)

- Designed and modeled research equipment, products, and facilities for MSU and Fraunhofer faculty and customers conducting research.

General Motors Manufacturing Intern - Lansing-Delta Township Plant Paint Shop (2016)

- Studied paint defects to debug and improve the operation of 76 robotic arms.
  - Assisted in maintaining operations of the paint and sealer application building.
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## Military

2nd Lieutenant, Aviation, Michigan Army National Guard (2015 - Present)

- 1-147th Aviation Battalion (2018 - Present)
  - Platoon Leader responsible for managing approximately 20 UH-60 maintainers.
  - Selected as a UH-60 Black Hawk pilot and awaiting flight school.
- 1433rd Engineering Company (SAPPER), 507th Engineering Battalion (2015 - 2018)
  - Assigned as a Cadet shadowing Platoon Leaders.

### Awards

Distinguished Military Graduate  
German Armed Forces Proficiency Badge  
Norwegian Foot March Badge  
NIU Unmanned Systems Award

### Completed Training

Sapper Leader Course (2018)  
Air Assault School (2017)

*Certifications and Student Teams→*

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### Licenses and Certifications

FAA Private Pilot License (Airplane Single Engine Land)

FAA Remote Pilot License

FCC Amateur Radio General Class License

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### Student Teams

MSU Rocketry Team - Founding Member (2017 - 2019)

- Developed a hybrid rocket motor 3D printed-titanium oxidizer injector plate.
- Designed, simulated, and constructed carbon fiber fins.
- Designed and built a Class I rocket which placed 12th overall out of 129 Teams at the 2018 Spaceport America Cup.

MSU Unmanned Systems Team - Co-Captain (2014 - 2019)

- Assisted in the development of a hybrid fixed wing UAV with VTOL capabilities and an autonomous air-dropped ground vehicle.

MSU Formula Race Team (2014 - 2015)

- Assisted in design, simulation, and construction of the vehicle chassis and aerokit.