



Funded Undergraduate Positions in S2FAR

Position Information

The Simulation to Flight Applied Research Laboratory (S2FAR), encourages undergraduate students to apply for research and technician positions on the **OSU-Tulsa** campus. Candidates with a background and interest in drone fabrication and/or 3D-printing are encouraged to apply. These positions offer a pay rate of **\$15/hr** and are flexible at **10-20 hrs/week**. S2FAR Lab primarily looking for candidates for the following on-campus roles:

1. 3D Printer Lead (UAV Fabrication):

- Print airframe (and other) parts and manage filament/inventory
- Maintain and tune 3D printers and print settings, including test prints and print setting tests
- Perform print calibration testing and part setting optimization
- *Optional:* assist in part design and development (SolidWorks)
- *Nice to have:* familiarity with **PrusaSlicer** and basic CAD capabilities (SolidWorks)

2. Flight Test Technician (UAV Systems):

- Assist with UAV builds: soldering, wire harnesses, propulsion/ESC installation and calibration, avionics/hardware installations
- Prep/pack ground support gear; ensure batteries are charged and labeled; join field tests as available (*be advised, if you decide to attend, we do fly at sunrise*)
- Assist with thrust stand testing and servo mappings; assist with mass properties determination testing
- Vehicle BOM & part inventory; interface with LaunchPad team
- *Nice to have:* prior soldering experience, basic electronics knowledge (i.e., don't mix red/black wires), comfortable with hands-on shop work

Qualifications

Candidates must be able to work at the **OSU-Tulsa** campus for a **minimum** of 5 hrs/week. Engineering majors are preferred, but motivated builders/markers are welcome to apply. Experience using PrusaSlicer, SolidWorks, 3D printers, Excel, and soldering irons is **highly valued**.

Application Process

Interested students should email directly at anthony.comer@okstate.edu to formally apply. Please use "**S2FAR Undergrad – [Printer Lead or Flight Tech] - [Your Name]**" as the email subject. Please include the following email:

- Resume + Weekly Availability
- A few sentences on your relevant experience
- (Printer Lead): feel free to share any past 3D prints/projects
- (Flight Tech): feel free to share any prior UAV/robotics projects