SCHOOL OF
MECHANICAL AND
AEROSPACE ENGINEERING
College of Engineering, Architecture and Technology

Funded Undergraduate Positions in S2FAR

Position Information

Dr. Anthony Comer, Director of the Simulation to Flight Applied Research Laboratory (S2FAR), is looking to hire **2** undergraduate students starting **Fall 2025** (anticipated start **ASAP**) 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 is adding **2** part-time, 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 10 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