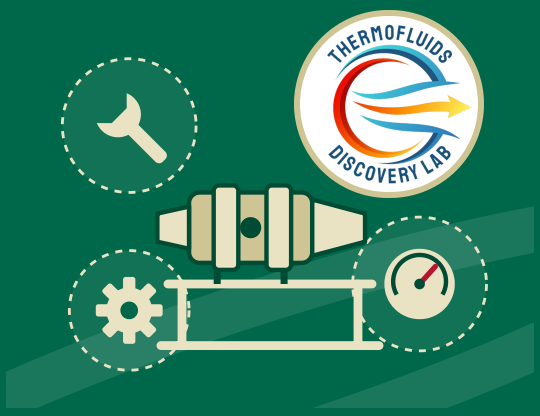
UNIVERSITY OF SOUTH FLORIDA
Department of Mechanical and Aerospace Engineering
Thermofluids Discovery Lab (TDLab)

UNDERGRADUATE RESEARCH OPPORTUNITY

Help Us Build Our Next Experiment



Volunteer Undergraduate Researcher, Experimental Setup and Hardware

10 hrs per week expected | Starts December 2026 | In person, Tampa campus

WHAT YOU WILL DO

- Help us build a new experimental setup for a propulsion research project, from parts on the bench to the first tests
- Assemble hardware and fabricate parts, with machining, welding and 3D printing
- Wire sensors and data acquisition, and help put the safety systems in place
- Present your progress at weekly group meetings

WHO SHOULD APPLY

- Undergraduates in Mechanical or Aerospace Engineering, or a related major
- Hands-on, careful and safety-minded
- Reliable, motivated and independent
- **A plus** if you have shop, welding or 3D printing experience, have worked with Arduino or data acquisition, or know SolidWorks

WHAT YOU GAIN

Training
Hands-on mentoring in fabrication and instrumentation

Lab access
A seat in TDLab and its tools and equipment

Publications
Potential co-authorship on scientific papers

References
Letters for graduate school and future jobs

This is a **volunteer position** for now. Given exceptional performance, it will turn into a **paid position** if funds become available.

APPLY

Apply by Nov. 22, 2026

Submit the short form with your resume. Top applicants will be invited to interview.

forms.cloud.microsoft/r/5hPNVVLevk

Questions? Dr. Vaselbehagh · vaselbehagh@usf.edu
Dr. Register · jjregist@usf.edu

MEET THE LAB
TDLAB.INFO