Opportunity Title: ORNL Autonomous Systems Post-Master's Research Associate
Opportunity Reference Code: ORNL19-88-NSET

Organization	Oak Ridge National Laboratory (ORNL)
Reference Code	ORNL19-88-NSET

Description Oak Ridge National Laboratory (ORNL) is the largest U.S. Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy, environment, and security.

The candidate will support projects in the Unmanned Vehicle Development Laboratory (UVDL) and in particular, projects associated with unmanned aerial vehicles and imagery collection from those vehicles. Projects in UVDL develop remote autonomous ground and air systems to enhance national security, support nonproliferation, and serve other unique support needs within the U.S. government. The projects span a breadth of activities from sensor development, software, communication systems, electronics, aviation systems, and mechanical engineering. The candidate will work closely with senior research staff on these exciting projects.

Qualifications Candidates should have a master's degree in geography, mathematics, engineering, or related fields.
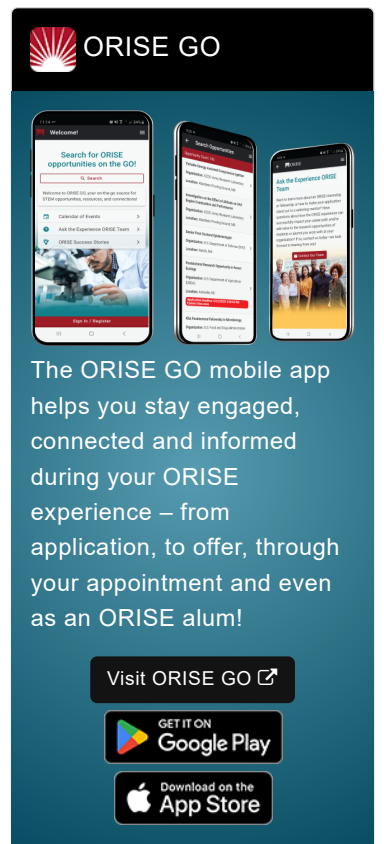
Preferred Skills:

- Basic familiarity with imagery.

- Basic familiarity with programming. Languages of interest include (but not limited to): C/C++, Python, Java, Matlab.

- Familiarity with software development.

- Familiarity with hardware design and implementation.

Living in East Tennessee: While the opportunity to work at ORNL is an amazing experience in itself, it's easy to overlook everything else East Tennessee has to offer if you haven't had the opportunity to spend time here. From spending your weekends downtown at Knoxville's farmers market, the Rhythm n' Blooms Music Festival, or the Dogwood Arts Festival, to some of the best hiking, kayaking, and camping in the U.S., East Tennessee has something to offer everyone.

The ORNL Post-Master's Research Associate Program is administered by Oak Ridge Associated Universities through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education (ORISE).

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (7 👁)

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- - **Environmental and Marine Sciences** (2 👁)
    - **Mathematics and Statistics** (2 👁)
  - **Age:** Must be 18 years of age

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