



APPLIED RESEARCH LABORATORY FOR
**INTELLIGENCE
AND SECURITY**

The Research for Intelligence & Security Challenges (RISC) Initiative
Summer Internship for Hard Security Problems
May 31 – August 5, 2022
College Park, Maryland and virtual

The Applied Research Laboratory for Intelligence and Security (ARLIS) at the University of Maryland, College Park, is seeking outstanding undergraduate and graduate students to participate in the virtual **Research for Intelligence & Security Challenges (RISC)** Initiative internship program. This exciting **10-week paid program** will pair students with mentors from UMD campus and the Department of Defense (DOD) and Intelligence Community (IC) community, and offer the potential opportunity to be considered for **future employment with the US government, to include possible sponsorship for a security clearance.**

Students will be introduced to career opportunities with the DoD and IC as well as develop their technical capabilities through hands-on real world problems. Project topics will be posed by government operators, and supported with realistic data sets and other materials. Over the 10-week period, students will conduct research and participate in lectures and regular team development meetings in a shared virtual work environment. The summer program will conclude with a demonstration event and workshop, with a panel of visiting experts from DOD/IC to discuss the results.

Eligibility:

- We seek outstanding graduate and senior undergraduate students with expertise in disciplines listed below.
- Candidates do not need to be students at the University of Maryland but should not have graduated before Fall 2021.
- Students must be U.S. citizens and be available full-time for the duration of the program.

Selection criteria emphasize technical strengths in relevant fields, experience working both independently and in teams, and demonstrated interest in contributing to national security.

While specific topics are in development, the missions supported are likely to include geospatial analysis, human geography, disinformation, insider risk, and critical technology protection. The RISC Initiative is particularly seeking interns with expertise in one or more of the following disciplines:

- 1) **Computer Science, Information Science & Engineering:** AI/ML algorithmic development, HCI, data science, data and knowledge engineering, software engineering, systems engineering, media analysis and forensics, information systems design, GIS;
- 2) **Mathematics and Statistics:** Data analytics, quantitative modeling, experimental design, graph analytics, data visualization;
- 3) **Social & Behavioral Sciences:** anthropology, human geography (e.g., pattern of life and mobility modeling), cognitive/neuroscience & psychology, criminal justice, teamwork and group dynamics, communications, disinformation and misinformation;
- 4) **Languages and Linguistics:** languages of interest to global security including but not limited to Mandarin, Russian, Farsi, Korean, and Arabic; computational linguistics and natural language processing; natural language understanding;
- 5) **Library Science:** Data curation, tagging, metadata, repositories, social media analytics;
- 6) Additional topics may include: Measurement and evaluation of learning outcomes, environmental modeling and remote sensing, human factors, regulatory public policy.

Remuneration: Interns will be paid a weekly stipend up to \$1,200, commensurate with education and experience. Given the virtual platform, housing accommodations, transportation, and food allowances are not provided. However, for those local to the DC area, part time physical campus workspace can be provided.

To apply:

Please assemble a package including a) your résumé, b) a copy of your transcripts, and c) a letter of interest, in addition to d) a letter of recommendation submitted by a professor or past supervisor.

Your letter of interest should describe

- Your disciplinary focus (referencing the topic areas above);
- Experiences that have prepared you for success in an internship focused on intelligence and security challenges;
- Experience with machine learning, programming, and/or statistics (not required for all roles); and
- Anything else in your background that that could be helpful for the selection committee to know.

Submit your application package (a-c) online via https://www.arlis.umd.edu/risc2022_application.

(Alternate: email risc@arlis.umd.edu with the subject “RISC 2021 Application for [candidate name]” and documents attached)

Recommendation letters should be submitted by the recommender to risc@arlis.umd.edu with the subject “Recommendation letter for [candidate name]”.

The deadline for applications is ~~Friday, February 11, 2022~~ extended to **Friday, February 18, 2022**.
Notifications to accepted students will be sent out by **Friday, March 25, 2022**.

More at: https://www.arlis.umd.edu/risc2022_applications

Write risc@arlis.umd.edu with questions