



The Laboratory for Analytic Sciences at North Carolina State University is seeking students to join the Summer Conference on Applied Data Science (SCADS), which will take place during eight weeks on campus in Raleigh, NC.

We invite graduate students to apply. (Advanced undergraduate students will be considered on a case-by-case basis.) Students will be expected attend in person in Raleigh for the duration of the program and will receive both a stipend and support for travel and lodging.

The overarching, multi-year challenge of SCADS is to generate tailored daily reports for knowledge workers that capture information relevant to their individual objectives and interests. These tailored daily reports, or “TLDRs,” are fairly short and aim to proactively provide individuals with information relevant to their needs, objectives, and interests. The content of a report may be drawn from any number or variety of sources. The TLDRs are auto-generated through development and application of modern AI/ML, user modeling, and information retrieval technologies and methods. The Intelligence Community (IC) manually produces a report of this nature for the U.S. President every morning, summarizing new updates of intelligence information that the President needs to know. Conceptually, AI/ML technology could produce something similar for all IC knowledge workers.

Student applicants should demonstrate research experience (or corresponding coursework) in one or more of the following areas:

- Designing and running user experience studies, including the application of UX principles to prototype applications; familiarity with human subjects research and experimental design
- Mixed methods research (qualitative and quantitative), interview and survey design, familiarity with implementing and analyzing usability metrics
- Social network analysis; developing models of communication and knowledge transfer; mapping user needs and priorities

Students from programs in psychology, design, communication, computer science, or data science may be particularly well suited for this position, though all disciplines are welcome to apply. Prior experience with research relevant to the Intelligence Community or Department of Defense is beneficial, but it is not a requirement for this position. However, an interest in research efforts to address the SCADS grand challenge is necessary, as students will be embedded within a cross-disciplinary team of researchers, students, and government employees.

Selected students will join a team of government, academic, and industry partners, and will be highly engaged in the day-to-day conduct of the research. This engagement expected to cover the full scope of the research process, from literature reviews, to experimental design, gathering data, analysis, and presentation of findings. Students will be expected to quickly iterate on ideas generated from collaborative engagement, and should be comfortable working in teams and independently.

This position is full-time (40 hours per week) for the duration of SCADS. To apply, students will need to submit a resume/CV, cover letter, and contact information for three references via the [SCADS Student Intern Application](https://ncsu-las.org/2022-scads) linked from our website, <https://ncsu-las.org/2022-scads>. The priority deadline for applications is 11:59 p.m. EST on February 18th. Students selected for an interview will be notified by February 25th. The application will remain open until March 4th and secondary interview offers will be extended by March 11th.