Opportunity Title: 2020 CCDC-ARL Summer Student Experience: Human Research and Engineering Directorate
Opportunity Reference Code: ARL-SSE-HRED-300016

Organization	DEVCOM Army Research Laboratory
Reference Code	ARL-SSE-HRED-300016
Application Deadline	3/1/2020 11:59:59 PM Eastern Time Zone
Description	The Human Research and Engineering Directorate (HRED) serves as the U.S. Army's principal organization for conducting research in the Human Sciences, focusing on future technologies to enhance Soldier performance and Soldier-system interactions. The HRED develops and conducts a broad Science and Technology (S&T) basic and applied research portfolio, and serves as the execution agent for Army Human Systems Integration (Army HSI), which assesses and addresses critical human performance issues for systems throughout the Army's acquisition process.

Programs and projects within the HRED S&T portfolio are aligned with the Army's priorities and focus on high risk, high payoff efforts that will deliver next generation capabilities to the future Soldier. Research is conducted on human performance in complex environments, emphasizing innovative approaches to the design of novel real-world interactions between Soldiers and advanced technologies for effective human-agent teaming in dynamic, heterogeneous, multi-agent teams with physical and virtual agents. Approaches address critical issues including but not limited to: multi-modal, bi-directional interfaces, joint human-agent decision making, predictive models of human behavior, and multi-agent control and coordination in mutually adaptive systems.

Summer Student Experience opportunities exist across the HRED S&T portfolio, with a Soldier-centric focus across multiple scientific disciplines, including the psychological and social sciences, neuroscience and cognitive sciences, and human factors and ergonomics, as well as relevant engineering disciplines and applied statistics and mathematics.

Locations: Aberdeen Proving Ground, Maryland; ARL-West; Adelphi Laboratory Center, Maryland; ARL-South; ARL-Central

Qualifications	CCDC Army Research Laboratory (ARL) Research Associateship Program (RAP) Summer Student Experience is an educational program that allows undergraduate through PhD students and recent Bachelor and Master's degree graduates to participate in a paid research experience at a Department of Defense laboratory over the summer break.

A candidate must be in good standing (a minimum of a 2.5 GPA) at an accredited university or technical institute, and in an academic program leading to an undergraduate or graduate degree.

Scientists and engineers at ARL help shape and execute the Army's program for meeting the challenge of developing technologies that will support Army forces in meeting future operational needs. Students can participant in research in one of the following areas:

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- Computational and Information Sciences Directorate (CISD)
- Human Research and Engineering Directorate (HRED)
- Sensors and Electron Devices Directorate (SEDD)
- Vehicle Technology Directorate (VTD)
- Weapons and Materials Research Directorate (WMRD)

U.S. Citizenship is not required to be considered for as Summer
Student Experience Fellow with HRED, but non-U.S. Citizens are
strongly encouraged to apply early to allow additional processing
time for the ORAU immigration office and ARL security.

Deadline:

First Round Application Deadline: Sunday, November 24, 2019

NEW *Second Round Application Deadline: Sunday, March 1,
2020*

Application Requirements:

The following must be uploaded into the online application:

- **Resume -** Please list your relevant coursework and lab work
  on your resume as well as all papers, presentations, or
  publications you may have authored or co-authored. Include
  any reprints or abstracts if they are available.
- **Transcripts -** Transcript verifying receipt of degree/or
  identifying current enrollment. Original student copies are
  acceptable.
- **Statement of Interest -** Write a one-page description of
  your scientific research experience. Please include
  references to your lab work as well as any relevant
  academic coursework. How does this experience intersect
  with your personal and professional goals?
- **References -** Reference forms are not required for the
  Summer Student Experience, but names and contact
  information for references are part of the online application.
  During the review process, some Advisor/Selecting Officials
  may contact references for further evaluation.

For questions about the Summer Student Experience Program,
please visit https://orau.org/arlfellowship/ or email
ARLFellowship@orau.org.

Eligibility Requirements	- **Degree:** Currently pursuing a Bachelor's Degree, Master's Degree, or Doctoral Degree.
	- **Overall GPA:** 2.50
	- **Academic Level(s):** Any academic level.
	- **Discipline(s):**
	  - **Computer, Information, and Data Sciences** (2 👁)
	  - **Engineering** (5 👁)
	  - **Life Health and Medical Sciences** (2 👁)
	  - **Other Non-Science & Engineering** (1 👁)

- **Social and Behavioral Sciences** (3 👁)
- **Age:** Must be 18 years of age