Research Internships in Geospatial Technologies for University Students

*Analyze satellite data with Industry standard software

*Model complex STEM projects with geospatial data

*Work from your home computers on powerful Amazon streaming applications

*Complete projects and technical reports and build your credentials to acquire critical workforce skills

L3HARRIS

WORKSHOPS BROUGHT TO YOU BY THE BCC GEOSPATIAL CENTER OF THE CUNY CREST INSTITUTE IN COLLABORATION WITH THE INDUSTRY

10 weeks / 240hrs.

Applications will be reviewed on a rolling basis so there is no official deadline.

*****Each participant will receive a stipend worth $2,000 upon successful completion of tasks and report*****

SWIP HIGHLIGHTS

The goal of the SWIP is to train participants in industry relevant geospatial and STEM research projects. Participants currently enrolled at U.S. Universities will engage in cutting–edge research and be mentored by expert faculty at the BCC Geospatial Center of the CUNY CREST Institute and York College. They will learn research methodologies, data analyses, perform literature review, and write technical reports / peer-reviewed journal articles and present research outcomes at conferences in the New York City region. Wherever possible an industry mentor will be included in the SWIP team. All the twenty SWIP participants will be motivated and provided guidance in applying for internships/jobs.

SWIP PROGRESS TABLE

#	Specific tasks for participants from college (10 weeks)	Deliverables
1	Introduction, Overview, Objectives Literature review, technical report writing	Technical report
2	Study area and Methodology, technical report writing and writing for a peer-reviewed journal	Technical report
3	Data description, technical report writing and writing for a peer-reviewed journal. Data formatting, technical report writing and writing for a peer-reviewed journal	Technical report
4	Data Analyses, technical report writing and writing for a peer-reviewed journal	Technical report
5	Data Analyses, technical report writing and writing for a peer-reviewed journal	Technical report
6	Interpretation of data analyses, technical report writing and writing for a peer-reviewed journal. Mapping the results, technical report writing and writing for a peer-reviewed journal.	Technical report
7	Mapping the results, technical report writing and writing for a peer-reviewed journal. Discussions and limitations of study, technical report writing and writing for a peer-reviewed journal	Technical report
8	Completing the technical report and writing for a peer-reviewed journal. Preparing presentations and writing for a peer-reviewed journal	Technical report
9	Archiving internship announcements and careers	Description of different job skills and duties
10	Submitting internship applications Presenting the results of research with other SWIP participants	Technical report and Presentation, Proof of internship applications

Application Form

SUMMER WORKFORCE INTERNSHIP PROGRAM (SWIP)

1. **Print Name** _____ _____ _____
   LAST FIRST M.I.

2. **OSIS #** _____

3. **Age:**_____ **Sex:** Female Male **Race/Ethnicity:**_____

4. **Name of College:**

   _____

   Address of College:

   _____

   Grade Level/College Year: _____ **GPA:** _____

5. **Current Home Address:**

   _____

   _____ _____ _____ _____
   APT# CITY STATE ZIP CODE

6. **Contact Information**

   _(____)_____ _____
   MOBILE EMAIL

7. **Emergency Contact**

   _____ _____ _(____)_____
   NAME EMAIL PHONE NUMBER

   _____ _____ _(____)_____
   NAME EMAIL PHONE NUMBER

8. Questionnaire (Please answer questions in the form)

How many years of experience do you have in geospatial technology? Give two examples of projects that you were involved in and briefly describe them.

Name a few opportunities that you may be interested to intern in after completion of SWIP.

How do maps help us in our daily lives? Give one example and explain briefly?

Give an example of how you used computers software in a school/college project?

Which careers interest you the most?

Can maps help in managing emergencies? Explain briefly by giving an example?

_____

_____

_____

_____

_____

How did you come to know about the workshops?

_____

_____

_____

_____

_____

*If you learned about the workshop from a person please provide their contact details below:

Name/Organization where the person works: _____

Email of Contact: _____

Tel/Cell: _____

Additional Requirements:

1. A copy of unofficial transcripts
2. Two references from professors/supervisors
3. Sample of work done in the past (example: abstracts, poster presentations, research papers, published journals, etc.)

Applications will be reviewed on a rolling basis so there is no official deadline. Please, submit the completed application form (as a scanned attachment) to either Dr. Sunil Bhaskaran / Dr. Ratan Dhar – Directors of the NSF-ATE project. Their email ids are Sunil.Bhaskaran@bcc.cuny.edu / Rdhar@york.cuny.edu

Note: Only those applicants who are shortlisted will be contacted. Unless you get a written email confirmation you must not assume you are selected for the workshop

CONTRACT AGREEMENT –
Summer Workforce Internship Program (SWIP) for Undergraduates

Brief description of the program:

The summer workshop internship program (SWIP) will provide students an opportunity to engage in research under supervised guidance from a team of faculty who will be assisted by graduate student instructors. They will participate in research projects, present and publish in proceedings of conferences and learn to write journal articles.

Participant Responsibilities:

I will work in a committed and diligent manner to deliver the tasks (given below) that are expected of me in this program. Additionally, I will do the following below:

1. Have a clear understanding of the project and if not I will communicate with the assigned mentor and learn about them clearly.
2. Attend all meetings assigned to me in the program
3. Submit all tasks assigned in a timely manner
4. Engage in proactive communication with the mentor
5. Attend all days in the SWIP program at the BGCCCI'S Geospatial Computing Center

I understand that if I do not abide by the above I may not be eligible for the stipend.

Signature _____

Print your name _____