Science Team Member

Phoenix CubeSat announces an internship opportunity, to begin Spring 2020.

Nature of Work: Participants will work with SAGA and other GIS programs to process raw thermal images received from Phoenix CubeSat. They will georeference raw images so the Urban Heat Island can be studied in relationship to local climate zones, and referencing case studies of seasonal effects on the urban climate.

These steps will be accomplished using images from our satellite, built by the engineering team, and previously classified local climate zones.

Learning Objectives: Learn and strengthen knowledge with SAGA GIS program, strengthen statistical tool skillsets, data manipulation and storage, and spatial data analysis.

Publishing and presenting; papers will come from this project and potential presentations.

Interdisciplinary teamwork.

Qualifications: Basic competency with and access to a computer, availability to work on project for 8-10 hr per week, a basic understanding of the scientific method.

Compensation: Student can earn 3 or more hours of internship credit, in GCU, GIS, GPH or PUP 484. See http://sgsup.asu.edu/interncredit for full credit requirements. Credits earned depend upon hours worked on the project.

Time Requirement: Student works at least 8-10 hours per week for the semester.

Work schedule: There will be a weekly meeting set up that will be chosen based on a communal availability once team members onboarded. A majority of the work will be at one’s own pace and can also be accomplished in small gropes as necessary.

Location: Work to be done by student in a location of their choosing, with weekly phone/skype/in-person meetings with team members on campus.

More Information: Please feel free to contact Alec Niblett IV at aniblett@asu.edu for further information.

To Apply: Send an email to: Alec Niblett IV at aniblett@asu.edu and a general meeting will be arranged with all interested parties and current team members.

Deadlines: Apply for internship by the end of the Fall 2019 semester.