

Department: **Geography, Environment, and Planning**

Working Title: **CIGA ISA**

Classification: **Instructional Student Assistant**

Number of Openings: **2**

Pay Rate: **\$18/hour**

Appointment: **Not to exceed 20 hours per week**

Expected Dates of Employment: **January 18, 2024 - May 24, 2024**

Deadline to Apply: **Priority deadline is January 16, 2024. Open until filled.**

Requisition #: **GEP\_ISA\_2324\_2**

## **DUTIES OF THE POSITION**

The student assistant will work under the direction of the Principal Investigator (PI) Dr. Matthew Clark to support research on the NASA-funded BioSoundSCape project. Computer work will be mainly remote, with access to computers in the Center for Interdisciplinary Geospatial Analysis (CIGA) at Sonoma State via a remote connection or in-person as needed. Duties include: collecting reference data for soundscape components (anthropophony, biophony, geophony, and interference); training a convolutional neural network (AI) algorithm to automatically detect soundscape components in a large sound recording archive; apply pre-trained CNNs the sound recordings to extract acoustic features; and, assist in statistical analysis of soundscapes with acoustic features

## **MINIMUM QUALIFICATIONS**

The ability to learn and perform assigned work; work cooperatively with faculty, staff, and other students; and accept responsibility. Completion of specific coursework may be required in order to teach, grade, complete research, or tutor for a course. Admission or registration as a University student. Note: Exceptions to the minimum eligibility qualifications may be granted at the sole discretion of the University.

## **HIRING CRITERIA**

Knowledge of CNN development and associated accuracy assessment techniques. Ability to work independently and in a team to accomplish assigned tasks with efficiency and speed, while maintaining scientific rigor. Organized, communicative and motivated to acquire new skills and knowledge. Computer programming in python required.

## **HOW TO APPLY**

Contact School of Social Sciences Administrative Coordinator Kelly Clark at [clarkke@sonoma.edu](mailto:clarkke@sonoma.edu) to submit a letter of interest.

## **HIRING NOTIFICATION**

By email from supervisor.

## **SUPERVISOR**

Dr. Matthew Clark

## **OTHER INFORMATION**

- The classification, Instructional Student Assistant, is one of three classifications in a collective bargaining unit, Unit 11. Instructional Student Assistants, who must be currently enrolled University students, perform tutoring, grading, or teaching-related duties under the supervision of faculty or professional staff.
- Sonoma State University hires only individuals lawfully authorized to work in the United States. All offers of employment are contingent upon presentation of documents demonstrating the appointee's identity and eligibility to work, in accordance with the provisions of the Immigration Reform and Control Act.
- The university is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.
- This position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.
- Successful candidates may be required to do a background check (including a criminal records check) before work in the position can begin.

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