





**Faculty Member Contact Information**

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**1 Funded, 4 Unfunded URCA Assistant**

	This position is <b>ONLY</b> open to students who have declared a major in this discipline.	<b>M</b>
	This project deals with social justice issues.	
<b>X</b>	This project deals with sustainability (green) issues.	
	This project deals with human health and wellness issues.	
	This project deals with community outreach.	
	This mentor's project is interdisciplinary in nature.	<b>I</b>

**Are you willing to work with students from outside of your discipline? If yes, which other disciplines?**

- Only similar fields

**How many hours per week will your student(s) be required to work in this position?**

(Minimum is 6 hours per week; typical is 9)

- 9 hours

**Will it be possible for your student(s) to earn course credit?**

- Yes-- CS 495 Independent Study (3 credit hours)

**Location of research/creative activities:**

- Engineering Building, Remote

**Brief description of the nature of the research/creative activity?**

Students will have the opportunity to conduct a project in Computer Vision, Multi-Agent, Systems, and/or Resiliency with potential for interdisciplinary engagement in agriculture. The project topic will be decided by me (the mentor) having a discussion session with the student about potential ideas that aligns with the student's interest and promotes significant research with the possibility of expanding it into a Masters if the student chooses.

**Brief description of student responsibilities?**

The project will span two semesters where the first semester will include defining the project idea and writing the code scripts. The second semester will be for running experiments and analyzing the results for preparation for the URCA presentations. We will meet weekly for 30 minutes to discuss updates to keep the project on track.

**URCA Assistant positions are designed to provide students with *research or creative activities* experience. As such, there should be measurable, appropriate outcome goals. What exactly should your student(s) have learned by the end of this experience?**

At the end, the student should have:

- 1) learned how to design a proposal for research,
- 2) practiced writing modular, and complete code,
- 3) understand how to properly conduct experiments for algorithms,
- 4) learned how to describe and synthesize results,
- 5) learned skills to disseminate their results to others (in discipline and outside discipline).

**Requirements of Students**

**If the position(s) require students to be available at certain times each week (as opposed to them being able to set their own hours) please indicate all required days and times:**

- N/A

**If the location of the research/creative activities involves off campus work, must students provide their own transportation?**

- N/A

**Must students have taken any prerequisite classes? Please list classes and preferred grades:**

- I require my students to be at least ending Junior standing, and have taken, or will take, CS 340 by the first semester of URCA. However, extraneous circumstances can be considered if this does not apply to you but are interested in the research anyway.

**Other requirements or notes to applicants:**

- I am open to continue mentoring students through the Accelerated Masters program.