## Faculty Member Contact Information

| Name | Dr. Eren Gultepe |
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| **Contact Info** | |
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| Campus Box | 1656 |
| **Department** | Engineering |

## 1 Funded, 1-2 Unfunded URCA Assistants

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

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

- I am open to taking students outside of my discipline, but only those in 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

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

- Yes; 3 credit hours of CS 495

**Location of research/creative activities:**

- EB3071

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

This project will involve the intersection of machine learning and neuroscience. It will require that the students should have taken an AI, DL or ML courses and the full calculus stream (I,II,III), and requires knowledge of Python and Linux code knowledge.

**Brief description of student responsibilities?**

The students will be processing functional MRI images and doing statistical calculations.

**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?**

They should have created working statistical programs to able provide insights into the observed fMRI signal.

**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:**

- Times will be vary.

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

- Not required.

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

- CS 438 AI or CS 490/590 ML or DL with a grade of B or higher.

**Other requirements or notes to applicants:**

- Python programming.