

CS 2699 W13: Undergraduate Research

Summer 2026

Georgia Institute of Technology

Instructor: Anqi Wu

Department: School of Computational Science and Engineering

CRN: 55481

Course Format: Faculty-supervised undergraduate research

Meeting Time/Location: By arrangement

Office Hours: By appointment

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Catalog Description

Independent research conducted under the guidance of a faculty member.

Course Overview

This course provides undergraduate students with the opportunity to gain hands-on research experience under faculty supervision. Students will work on a defined research project, develop technical and analytical skills, and gain exposure to the research process, including problem formulation, experimentation, and communication of results.

Learning Objectives

By the end of the course, students are expected to:

- understand the fundamentals of a research topic in computer science;
- develop basic research skills, including literature review and problem formulation;
- implement, analyze, or experiment with computational methods;
- communicate research progress clearly in written and/or oral form.

Course Activities

Depending on the project, activities may include:

- reading and summarizing research papers;

- implementing algorithms or building systems;
- analyzing datasets and interpreting results;
- participating in group meetings or discussions;
- preparing a final report or presentation.

Expectations

Students are expected to:

- meet regularly with the instructor or research mentor;
- make steady progress on assigned tasks;
- actively engage in learning and asking questions;
- maintain professionalism and responsibility in research work.

A project plan with goals and milestones will be established early in the semester.

Assessment

Grades will be based on effort, progress, and the quality of work rather than solely on final results.

- Engagement and initiative: 25%
- Research progress and meeting participation: 35%
- Quality of technical work: 25%
- Final deliverable (report or presentation): 15%

Attendance and Communication

There are no formal lectures. Students are expected to attend scheduled meetings and maintain regular communication. Timely responses to emails and meeting preparation are expected.

Late Work

Deadlines will be set individually based on the project. Students should communicate early if delays arise.

Academic Integrity

All students are expected to follow the Georgia Tech Honor Code. Proper citation of sources, code, and data is required.

Accessibility and Student Support

Students who require accommodations should contact the Office of Disability Services and inform the instructor early. Additional campus resources are available to support academic success and well-being.

Institute Policies

All Georgia Tech policies on non-discrimination, academic conduct, and student behavior apply in this course.

Note: This syllabus provides a general framework for individualized undergraduate research. Specific expectations and deliverables may vary by project.