

CS Honors Program
Efi Arazi School of Computer Science
Reichman University

Spotlight on Research Course

Final Project, 2025

In this course students are exposed to many different topics in computer science. The purpose of the final project is to select one aspect of one such topic and get to know it a little bit deeper than what was presented in class. Another purpose of the project is to get to know better one of our CS faculty members. The project consists of two independent assignments, described below.

1. Implementation

Together with the faculty member, select a computational problem or task of interest. The problem / task can be related to the presentation that the faculty member gave in the course, but this is not a mandatory requirement. Develop a strategy to solve / implement the problem / task. Write a program that carries out and tests the implementation.

Write a short document that describes the problem / task, and the implementation. The document should be about 1,000 words long. It can be written in either Hebrew or English.

Ideally, the implementation should require no more than basic programming skills: Procedural programming, functions, 1D / 2D arrays. If needed, you can use existing classes that implement abstract data types like lists, stacks, trees, and so on, but this is not a requirement. Keep it clear, simple, and modular.

2. Article

Together with the faculty member, select a paper, blog post, interview, or video clip of interest. The selected resource can be related to any computer science / technology topic that can be of interest to CS students. The selected resource must be fully available and accessible to anyone, through the Internet. The selected resource may or may not be relevant to the implementation part of this project.

Read and study the selected resource. Then write a short article that describes the resource and motivates other students to read or watch it. Explain why you think it's important and interesting to do so. The article should be about 2,000 words long. It can be written in either Hebrew or English. Assume that readers of this article have basic CS knowledge at the level of a first-year student. If the resource requires additional knowledge, summarize this knowledge in your article, in order to make the article accessible to any CS student. Your writing style should be focused, informative, and engaging.

Please do not use ChatGPT or other LLM-based tools unless agreed with the faculty member.

Submission

The implementation and the article should be submitted no later than August 31, 2025, 23:55. Make sure that your name and ID are written on every file that you submit.