Workshop in Competitive Programming (234900)

Mondays 16:30-18:30
Lecturer in charge: Prof. Gill Barequet (barequet@cs)
TA in charge: Eden Saig (edens@cs)

The Competitive Programming Workshop is a unique undergraduate course which aims to introduce students to the world of competitive programming. In the workshop, we will solve a variety of problems in computer science and mathematics, and develop intuition about practical use of algorithms and data structures.

The workshop consists of a weekly 2-hour practice session which covers the practical aspects of topics such as memory and running time analysis, algorithms and data structures. Correct and efficient implementation of solutions is a major aspect of competitive programming, and the coding aspect of the workshop will emphasize quick implementation and efficient debugging.

The workshop links between the knowledge gained in previous theoretical classes and real-world problems. We practice devising efficient algorithms and implementing the solutions quickly, much like job interview questions. Attending the workshop will be a great opportunity to learn more about algorithms, develop creative thinking, polish programming skills, and practice team-work. At the end of the semester a final competition will be held, and the eligible winners will be invited to represent the Technion at the ACM ICPC contest in Paris (SWERC 2017).

Registration to the workshop is manual due to limited space. Interested students are invited to fill in the following form: https://goo.gl/forms/OkutwYArBTfLOdww1