

Iulian Oleniuc

+40 774 684 537

iulian.oleniuc@gmail.com

github.com/gareth618



Education

Master's Degree

2023-2025

Institution: Faculty of Computer Science Iași
Program: Advanced Studies in Computer Science

Bachelor's Degree

2020-2023

Institution: Faculty of Computer Science Iași
Thesis: In my [undergraduate thesis](#), entitled **Heuristic Optimizations for Boolean Formulas with Applications in Attribute-Based Encryption**, we developed a set of four heuristics for optimizing monotone Boolean formulas. We improved the performance of a particular **circuit-based KP-ABE** scheme with **up to 60%** in real-world scenarios. A paper written on this topic was accepted at the KES 2023 conference.

High School

2016-2020

Institution: Colegiul Național Emil Racoviță Iași
Specialization: mathematics-informatics

Contests

Algorithms

High School

National Olympiad in Informatics: participation (9th grade), bronze (10th grade), silver (11th grade), qualification (12th grade)
Cloudflight Coding Contest (school): 1st place (11th grade), 2nd place (12th grade)

Algorithms

College

Cloudflight Coding Contest (classic): 1st place (1st year of BSc)
ICPC Regional Contest Iași: 1st place (3rd year of BSc)

Miscellaneous

All-Time

Cloudflight Coding Contest (AI): 1st place (3rd year of BSc), 1st place (1st year of MSc)
InfoEducație County Contest: 2nd place (11th grade)

Languages

- Romanian (native)
- English (advanced)

Skills

- Problem solving
- Teaching
- Technical writing
- Teamwork
- Critical thinking

Knowledge

- Algorithms
- Data structures
- Cryptography
- Machine learning
- Neural networks
- Web developing
- Relational databases
- Object-oriented programming

Technologies

- C++, Java, Python
- HTML, CSS, JavaScript
- React, Vue
- Gatsby, Nuxt, Astro
- FireBase, SupaBase
- PostgreSQL

Passions

- Cycling
- Books
- Movies
- Hip-hop

Projects

InfoGenius.ro – Computer Science Blog

2017-2024

I started [InfoGenius](#) in the 9th grade, and since then I've been writing posts on famous algorithms and data structures, C++ programming, and National Olympiad problems, among many others. With **over 300 comments received**, this website had a meaningful impact in helping people learn computer science, especially for competitive programming.

InfoGym – Teaching Computer Science

2022-2024

InfoGym is a programming circle founded by eMAG, part of the **Hai la Olimpiadă!** program. I've held several lectures there, for middle and high school students. This also meant writing papers on the subjects taught. Some of the papers I'm most proud of are [Introduction to Combinatorics](#) and [Trie & the Knuth-Morris-Pratt Algorithm](#).

FIICode – Organizing a Programming Contest

2021-2024

[FIICode](#) is a programming contest started by the students of the Faculty of Computer Science Iași. I took part in both **the organizing and the scientific committees** of the 2021-2024 editions, in the algorithms area. Thus, I worked a lot on coming up with ideas for the problems, generating test data, and preparing statements and editorials.

ICPC Training Camps – Being a Coach

2024

I participated in two ICPC training camps, as a coach for several teams from the Faculty of Computer Science Iași. The camps were held in 2024 in Osijek, Croatia, and Wrocław, Poland. Additionally, I served as a member of the scientific committee at the second camp.

CruceaRoșieIași.ro – Website for the Iași Red Cross

2022

I created a [fast and user-friendly website](#) for the Iași Red Cross, using modern web technologies, such as Vue, Nuxt, and FireBase. It comes with an admin panel providing a minimalist (yet very powerful) **content management system**.