ARITON ADRIAN

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EDUCATION

Bachelor of Computer Science and Engineering, Politehnica Bucharest, CTI — Sept 2022 - 2026

SKILLS

C, C++, Python, JS, Node.js, express.js, React, SQL, NOSql Databases, Java, Arduino

EXPERIENCE

Website Manager and Creator — June 2022 - Sept 2022
AscentRomania - Online Perfume Shop — *Focsani, VN, Romania*

- Connected directly to a MongoDB database with express.js and pug/jade for server side rendering and request handling
- Implemented websockets for user input reactivity
- Organized data using the MongoDB Collections technologies and performed queries in JS

CoFounder — June 2022 - Sept 2022
EdYOUaction NGO — *Focsani, VN, Romania*

- Offered courses with specialized people to 100 high-schoolers, ranging from journalism, entrepreneurship, video and photo editing, professional interviewing and filming
- Presented new career options to teens and helped them find new passions

PROJECTS

Hypercube Visualisation Tool.
Built an app that displays a 3D projection of N dimensional Hypercube. Developed it for the Swift Student Challenge and was one of the winners!

HEPHAESTUS++ - Mathematical Computing Tool.
Developed an app which can make calculations with 100 digit precision in C++, using the CORDIC algorithm and OOP. It also contains a **Tensor library** equipped with tensor products and templates, basic symbolic arithmetic and symbolic functions along. Works fast and is reliable. Try it here: https://github.com/adrianariton/hephaestus

Banking Tree Inspector.
Created a web app which specializes in the representation ownership relations of a bank's customers in a tree structure. Was used by many departments for visual purposes and is still in use today.

qamg - Quantum Arithmetic Gates in Python.
Implemented quantum arithmetic gates such as addition, multiplication, integer division, phase estimation, MUX and decoders as well as basic quantum error correction codes in python using Qiskit. Try it here!

AWARDS AND CERTIFICATION

- 1st place in National Mathematics Olympiad, National Phase 2019
- SEEMOUS 2023 Qualifier
- Winner of Swift Student Challenge 2022
- 1st place at Informatics Olympiad, Regional Phase 2020
- German language certificate: DSD, level B1