

Alexandru Ariton

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EDUCATION

Bachelor of computer science and engineering
POLITEHNICA BUCHAREST

Computer science and Engineering (CTI) | 2022 - present

ACHIEVEMENTS

INNOVATION LABS | FINALIST

Bucharest, RO | March 2023

APPLE SWIFT STUDENT CHALLENGE | WINNER

Apple (online) | June 2021 and June 2022

SEEMOUS | SILVER MEDAL

Struga, NMK | March 2023

HACKITALL 1 BY BCR | 5TH PLACE

Bucharest, RO | Winter 2023

ROMANIAN NATIONAL MATH OLYMPIAD | 5TH PLACE, GOLD

Deva, RO | 2019

EXPERIENCE

MOHICAN | COFOUNDER, DEVELOPER

Bucharest, RO | March 2023

Came up at Innovation Labs with the idea of making ads fit a bit more better with the design of the site on which they appear.

EDYOUACTION | COFOUNDER

Focsani, RO | May 2022

In my home city, in 2022 together with 5 of my ex-highschool colleagues we initiated a project which had many courses for highschool students to follow. These courses ranged from photography to journalism and many more.

PROJECTS

TESSERACT 4D 

METALKIT, SWIFT, OBJECTIVE C, C++

Used ray-marching in MetalKit directly on the GPU to build a software that plots sections of 4D objects passing through 3D space. Won the Apple Swift Student Challenge 2023 with this app.

VECTOR PHASE PLOTTER 

SPRITEKIT, SWIFT

Built an app that plots 3D vector spaces.

This app was used in a Chaos Theory lecture for visualising and modeling 3D Lorenz attractors.

NOTE TAKER 

SWIFTUI, SWIFT, METALKIT, OBJECTIVE C, C

A note taking equipped with mathematical equation interpretation and graphing using MetalKit, and also a complex undo/redo system.

MOHICAN ADS 

PYTHON, TENSORFLOW, JS

An ad making program that analyses the design of the site and makes ads that best fit it. The program has 2 parts. The front-end script analyses the site's features and extracts the main attributes (color and information density), and the AI model determines the best fit ad from a range of pre-designed ads.

SKILLS

Languages: Swift, C, Objective C, C++

Web Development: SvelteKit, JavaScript, React

Technologies: MetalKit, AppKit, UIKit