

Malina Strugaru

PhD Student

+4366499647941
malinais77@gmail.com
Kornhauselgasse 9, Vienna 1200

EDUCATION

Bachelor's in Physics

"Al. I. Cuza" University of Iasi | 2021
GPA 10/10

PhD in Physics/Digital Fabrication

ISTA Austria | 2021 - ongoing (July 2027)

SKILLS

Coding: Python (numpy, scipy, pandas), C++, HTML, JavaScript

Data analytics, statistics, probabilities, data structures and algorithms, optimization and numerical algorithms, FEM, CAD

Lab skills: experimental design, mechanical and tensile tests, polymer synthesis (liquid crystal elastomers) and characterization, SEM, FIB, nanoprinting

PUBLICATIONS

Multi-Material Mesh-Based Surface Tracking with Implicit Topology Changes
P. Heiss-Synak, A. Kalinov, **M. Strugaru**, A. Etemadi, H. Yang, C. Wojtan, **ACM Trans, Siggraph 2024**

EXPERIENCE

Physics Simulation Research Student

ISTA Austria - Prof. Bernd Bickel's group | February - May 2022

Geometry Processing Research Student

ISTA Austria - Prof. Chris Wojtan's group | September 2021 - April 2022

Summer Undergraduate Research Fellow (SURF)

Kavli Nanoscience Institute SURF-the-WAVE Fellow

Caltech - Prof. Andrei Faraon's group | April 2018 - April 2019

Undergraduate Researcher in Computational Physical

CARPATH Iasi - Prof. Laurentiu Stoleriu and Prof. Cristian Enacheescu | 2020 - 2021

Software Engineering Intern

BitDefender Iasi | August - October 2019

Computer Science Multidisciplinary Trainee

Yonder | October - November 2019

PROJECTS & AWARDS

womENcourage 2020 Conference and Hackathon

I won the second place in the hackathon with my team by creating a prototype for an application meant to increase access to online-education resources in the world

Google Get Ahead Program 2020

I participated in an 8-week virtual program for selected Computer Science students from all over EMEA. The program involved technical challenges, YouTube live trainings, and interview workshops.

FameLab Science Communication Events | 2019 & 2021

I won the second Prize at the National Romania Finals in 2019 and 2021, and got selected to present at the European Researcher's Night 2019 in London.

International STEM Competitions

- Third prize at the National Physics Undergraduate Student Olympiad 2019
- First prize at "Physics for Modern Educational Technologies" National Conference 2019
- Silver medals at the International Earth Science Olympiad 2017 and at European Science Olympiad 2016
- Bronze medal at the International Junior Science Olympiad 2014

TEACHING

Teacher and Educational Counseling Mentor

Upgrade Academy Bucharest | 2019 -2021

ROSE University Project for Preventing College Dropout

UAIC Iasi | 2018 -2021