



✉ dinui.alin@gmail.com
📅 21 years old
📍 Brașov
📞 0799842520

Social networks

GitHub@Dinu-Alin
LinkedIn@Dinu-Alin

Digital Skills

Programming Languages

C# / C++ / Python(beginner) /
Java / TypeScript / JavaScript

Software Frameworks and Libraries

.NET Development / Qt / Angular
Framework / Tensorflow / ReactJS
(Beginner) / OpenCV

Industry Knowledge

Data Structures and algorithms /
Image Processing / Object
Oriented Programming / Machine
Learning

Design patterns and principles

State / Singleton / Factory /
Observer / Iterator / Client-Server /
MVVM / KISS / SOLID / DRY /
YAGNI

Other Software and Computer Skills

postgresSQL / NoSQL
(MongoDB) / CSS / HTML

Ionuț-Alin Dinu

Computer Science Student

I am a Computer Science student, autodidact, willing to learn new skills and develop myself. I am interested in .NET Development, Front-end Development(Angular, React) and Modern C++. I love to resolve group issues through research and communication.

Education

Bachelor's degree, Computer Science

From August 2019 to June 2022 [Transilvania University of Brasov](#), Faculty of Mathematics and Computer Science

High School Diploma, Mathematics and Informatics

From September 2015 to June 2019 [Colegiul Național Nicolae Grigorescu](#), Câmpina, Prahova

Work experience

Internship

Since October 2021 [Siemens PLM Software](#), Brașov
.NET Development

<https://new.siemens.com/ro/ro/products/sisw.html>

Curious Minds Summer School Apprentice

From July 2021 to September 2021 [Siemens PLM Software](#) Brașov
Mobile Development using Xamarin

Practice certificate

From March 2021 to May 2021 [General Magic Technology](#) Brașov
Neural Networks in your Hands: Tensorflow on a Mobile

<https://www.generalmagic.com/>

Hobbies

Member at BEST, Brașov (2020 - 2021)

Board of European Students of Technology is a non-profit and non-political organization that strives to help European students of technology to become more internationally minded, by reaching a better understanding of European cultures and developing capacities to work on an international basis.

Graphic Design

Illustrator (intermediate level)
Photoshop (beginner)

Football

I have been playing football for over 10 years for a local team.

Painting

Watching movies

Soft Skills

Handling Pressure

Networking

Creativity

Languages

Romanian

Mother Tongue

English

Intermediate

Projects

Siemens (Final Year Project) - Sprint Management App

Agile project management software in UWP (Universal Windows Platform).

private - contact me for more details.

Siemens - Xamarin Scrum App with SignalR

Project management solution for SCRUM teams during the Covid-19 pandemic.

private - contact me for more details.

Mosaic++

Mosaic++ is a tool that produces [photomosaics](#). It offers a range of options that have an effect on the final result. It can be used for entertainment purposes or be converted to an applicable tool in fields like image processing or mesh generation.

[GitHub@Mosaic-plus-plus](#)

[Youtube@Mosaic-plus-plus](#)

Plotting in C++

In this project, we wanted to solve the problem of plotting a big set of data in order to better understand theoretical knowledge in the function plotting field. We study the nature of data plotting in C++ regarding its pros and cons(limitations).

The scope of the app is to generate graphs for various functions and to observe the steps taken by the algorithm in order to obtain the correct plotting.

Using C++(one of the fastest and most memory efficient languages) and Qt(a C++ cross-platform framework for GUI - Graphical User Interface), we developed an app that puts into use most of the modern features offered by C++(especially C++11).

[GitHub@Plotting](#)

Nurse-Scheduling-Problem

Genetic Algorithm for Nurse-Scheduling Problem.

A genetic algorithm is a search heuristic that is inspired by Charles Darwin's theory of natural evolution. This algorithm reflects the process of natural selection where the fittest individuals are selected for reproduction in order to produce offspring of the next generation.

[GitHub@Nurse-Scheduling Problem](#)