

# Rares Cozma

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## Summary

College student with a strong passion learning, proficient in HTML, CSS, JavaScript/TypeScript/React, C/C++, and Java, skilled in Git, and committed to staying up-to-date with emerging technologies.

## Skills

<b>Front-end</b>	HTML5, CSS3, JavaScript/TypeScript, React, TailwindCSS
<b>Back-end</b>	Node.js, Express, Next.js, Vite
<b>Programming</b>	C/C++, Java
<b>Tools</b>	Git,
<b>Languages</b>	Romanian, English

## Education

### TUCN (Technical University of Cluj-Napoca)

Cluj-Napoca, Romania

BACHELOR'S DEGREE IN COMPUTER SCIENCE

October, 2021 - present

- C Programming
- Java Programming
- Assembly Language Programming
- Data Structures and Algorithms
- Databases
- Computer Architecture

## Personal Work

### Beer Pub Landing Page

[HTTPS://GITHUB.COM/COZMARARES/BEER-PUB](https://github.com/CozmaRares/beer-pub)

- Created a stylish mock website for a beer pub.
- Implemented a responsive layout with a mobile-first approach using TailwindCSS.
- Conducted performance audits and generated Lighthouse reports to ensure website performance.
- Deployed to GitHub Pages
- Tech stack: React, TailwindCSS, Vite, Git, GitHub Pages

### NFT Market Landing Page

[HTTPS://GITHUB.COM/COZMARARES/NFT-LANDING](https://github.com/CozmaRares/nft-landing)

- Developed a simple and responsive landing page for a NFT marketplace.
- Enforced code quality and consistent formatting with ESLint and Prettier.
- Collaborated with a Figma design template, following design guidelines closely.
- Tech stack: React, TailwindCSS, Vite, Git, GitHub Pages

### Chess Game

[HTTPS://GITHUB.COM/COZMARARES/CHESS](https://github.com/CozmaRares/chess)

- Created a minimalistic server for a chess game and a corresponding website with various features, including game initiation, participation, and local gameplay.
- Hosted the application on AWS, utilizing Route 53 to direct traffic to an EC2 instance.
- Utilized a technology stack that included TypeScript, React, TailwindCSS, Vite, Express.js, Socket.IO, and Vitest.

### HTTP Server in C

[HTTPS://GITHUB.COM/COZMARARES/C-SERVER](https://github.com/CozmaRares/c-server)

- Designed and implemented an HTTP server in the C programming language.
- Utilized a file-based routing system for serving static content like HTML, CSS, and JavaScript files.
- Offered flexibility by allowing developers to define custom routes for dynamic server-side functionality.
- Project aimed to gain a deep understanding of HTTP mechanics and server-browser communication.

## Pseudocode Interpreter

[HTTPS://GITHUB.COM/COZMARARES/PSC-INTERPRETER](https://github.com/CozmaRares/PSC-Interpreter)

- Developed an interpreter for a dynamic programming language based on pseudocode syntax, with customizable error messages, function names, keywords, and primitive types.
- Initiated the project to create a tool for studying pseudocode and checking answers for a high school computer science exam.
- Developed the interpreter using C++ due to its ability to handle complex tasks, memory management with smart pointers, and high performance.
- Achieved the goal of creating a valuable study tool for preparing for the computer science exam and earned a high school certification through this project.

## Certifications

### Certificate of Professional Competence

- Attained proficiency in Microsoft Office Suite, encompassing Word, Excel, and PowerPoint, for document creation, data analysis, and effective presentations.
- Mastered relational database design principles, showcasing expertise in designing and implementing efficient data structures and SQL query writing.
- Successfully completed a personal project: a dynamic programming language interpreter, featuring customizable error messages, function names, and data types, demonstrating advanced coding skills.

**ROMÂNIA**  
**MINISTERUL EDUCAȚIEI**

**Seria Ag**  
**Nr. 0000334**

**ATESTAT**  
**DE COMPETENȚE**  
**PROFESIONALE**

**D-lui COZMA F. RAREȘ**  
absolvent ..... al (a) ..... COLEGIUL NAȚIONAL "HOREA CLOȘCA ȘI CRISAN"

**CIF**

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din localitatea ..... ALBA IULIA ..... județul ..... ALBA  
filiera ..... TEORETICĂ ..... profilul ..... REAL  
specializarea ..... MATEMATICĂ INFORMATICĂ INTENSIV ENGLEZĂ

**CNP**

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**ATESTATUL DE COMPETENȚE PROFESIONALE**  
eliberat de ..... COLEGIUL NAȚIONAL "HOREA CLOȘCA ȘI CRISAN"  
în urma rezultatelor obținute la examenul din sesiunea ..... MAI ..... 20.21.  
organizat la ..... COLEGIUL NAȚIONAL "HOREA CLOȘCA ȘI CRISAN"  
din localitatea ..... ALBA IULIA ..... județul ..... ALBA  
dobândind ..... I. REALIZAREA MANAGEMENTULUI SITE-URILOR WEB, SISTEMELOR DE OPERARE A CALCULATOARELOR  
II. FURNIZAREA FACILITĂȚILOR DE PROCESARE A DATELOR, INCLUSIV A SERVICIILOR DE SUPORT

**PREȘEDINTELE COMISIEI,**  
**L.S. PROF. SORIN-DUMITRU SCHIAU**  
Nr. ....  
Data eliberării: anul 20.2., luna ..... IULIE, ziua .....  
Semnătura titularului

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