Rares **Cozma**

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Summary

College student with a strong passion for 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

Front-end	HTML5, CSS3, JavaScript/TypeScript, React, TailwindCSS
Back-end	Node.js, Express, Next.js, Socket.IO
Programming	C/C++, Java, Python
Tools	Git, Vite, Makefile
Languages	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

- 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.
- Tech stack: React, TailwindCSS, Vite, Git, GitHub Pages.

NFT Market Landing Page

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.
- Implemented a Figma design template, following design guidelines closely.
- Tech stack includes React, TailwindCSS, Vite, Git, and GitHub Pages

Orders Management

https://github.com/CozmaRares/orders-management

- Developed a client order management application for warehouse operations, integrating SurrealDB as the database and delivering essential CRUD (Create, Read, Update, Delete) functionality.
- Implemented a layered architecture comprising model, data, logic, and presentation layers.
- Employed reflection techniques for populating data retrieved from the database.

Chess Game

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

- 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

- 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.