

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 new technologies.

Skills

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

Experience

CristalSoft

Alba Iulia, Romania

FULL-STACK INTERN

Jul. 2024 - Sep. 2024

- Developed an internal application focusing on customer relationship management (CRM) functionalities.
- Used React for the front end.
- Created a PHP REST API to power the application.
- Utilized Docker for containerization and ease of deployment.
- Configured the web server with Apache.
- <https://github.com/CozmaRares/organization-management>

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.
- 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.
- 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](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/CHES](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.