

Constantin Gheorghe

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[Github](#) [LinkedIn](#)

Education

- Politehnica University of Bucharest: Candidate for B.S. in Automatic Control and Computer Science, expected to graduate in June 2023.
- Relevant courses: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming, Web Programming using Java, Databases, Numerical Methods, Optimization Techniques.

Personal Projects

- **Chat app:** A program that allows private chat messaging between users. It was built using **React, Java (Spring), MongoDB** and Web Sockets for real-time communication (messaging, displaying online users)
- **Collaborative Whiteboard:** This app provides a digital canvas (whiteboard) that can be used by multiple users at the same time. Users can create and join rooms. Each canvas content is stored in database. It uses **Web Sockets, React and Spring Boot**.
- **Pathfinding Algorithm Visualizer:** A tool that aims to make possible visualization of popular pathfinding algorithms like Dijkstra, A-Star, Breadth First Search, Depth First Search. It provides a grid on which the user can draw obstacles, and two points (start and finish). This tool was realized using mainly **JavaScript (React)**.

Technical skills

- Good/Advanced skills: Java, C/C++, JavaScript, React, Node, Express, HTML, CSS
- Intermediate skills: Git, Bash, Spring, Maven, SQL, Next.js
- Beginner skills: Linux, Python, Docker, MySQL, MongoDB, MATLAB

Problem Solving Skills

- High motivation for self-study, ability to be detail oriented, and ensure work produced in of high quality.
- Ask appropriate questions to get to the root of the problem.
- Combine patience, determination, and persistence to troubleshoot issues.
- Able to work with people to help identify options and deal with problems calmly and efficiently.
- Skilled at evaluating options and generating solutions.

Teamwork skills

- Accustomed to working in groups during academic projects.
- Strong commitment to team environment dynamics.
- Hardworking, forward-thinking team member, positive and conscientious attitude towards safety.

Communication Skills

- Strong presentation skills and confidence demonstrated by experience of delivering presentations at university to groups of six to thirty.
- Able to communicate effectively with professors and colleagues by showing interest, carefully listening to needs and appropriately adjusting my message.

Certifications

- Java programming, Google Digital Workshop – July 2021
- Web programming, Hackademy.ro – May 2021