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AWARDS[1]

2024-2025

- **American Computer Science League** Awards:
  - **Finals 2025 Senior Contest – Bronze Medal Award**
  - **Regular Season Senior 5 Contest 2024-25 – Second Place & third highest individual score worldwide & sixth place at the team level** as part of the Grigore Moisil National College of Computer Science team
- **Diplomas** received for the activity carried out at Grigore Moisil National College of Computer Science:
  - **Diploma of Excellence** in recognition of the sustained efforts and achievements throughout the years of study
  - **Diploma for Best Computer Scientist**
  - **Certificate of Appreciation** for outstanding results achieved in Physics competitions
  - **Certificate of Appreciation** for outstanding results achieved in Romanian Language and Literature Olympiads
- 12th Grade – **First Prize** (Average: **10.00**, equivalent to a 4.0 GPA in the American grading system)
- Verified Courses by **HarvardX:**
  - LEAD1x: **Exercising Leadership: Foundational Principles** – 88% weighted grade
  - AESTHINT15**: Rhetoric: The Art of Persuasive Writing and Public Speaking** – participation
- Verified Certificates by **DelftX:**
  - Science and Engineering - Pre-university Calculus, Physics and Chemistry: **Professional Certificate**
  - Science and Engineering Prep: Pre-university Calculus and Physics: **Professional Certificate**
  - Calc01x: **Pre-University Calculus** – 92% weighted grade
  - PUP01x: **Pre-University Physics** – 100% weighted grade
  - PUCH1x: **Pre-University Chemistry** – 100% weighted grade
- Verified Certificates by **Universitat Politècnica de València:**
  - FFI101.1x_EN: Physics Fundamentals: **Mechanics** – 94% weighted grade
  - FFI101.2x_EN: Physics Fundamentals: **Electromagnetism** – 87% weighted grade
  - FFI101.3x_EN: Physics Fundamentals: **Oscillations and Waves** – 90% weighted grade
- Certificates of Completion by **I Am Tim Corey:**
  - (AP) **C# Mastercourse**
  - Legacy: Prove It: **C# Basics**
  - Legacy: Prove It: **C# Algorithms & Data Structures**
  - (AP) Accelerate: **Microsoft SQL**
  - Legacy: **SQL Databases** From Start to Finish
  - (AP) **Bootstrap 5** From Start to Finish
  - (AP) Accelerate: **GitHub**
- Awards of Course Completion by **ORACLE Academy:**
  - **Database Programming with SQL Cumulative**
  - **Database Programming with SQL**
  - **Database Design**
- **HackerRank** Certificates of Accomplishment for **Roles:**
  - **Frontend Developer (React)**
  - **Software Engineer**
  - **Software Engineer Intern**
- **HackerRank** Certificates of Accomplishment for **Skills:**
  - Advanced: **SQL**
  - Intermediate: **SQL, Rest API, JavaScript, Angular, R, Go, Node.js**
  - Basic: **SQL, Python, CSS, JavaScript, Java, Angular, R, Go, React, Node, C#**
- [TryHackMe](#) Certificates of Completion:
  - **Red Teaming** (Initial Access, Post Compromise, Host Evasions)
  - **Offensive Pentesting** (Advanced Exploitation, Buffer Overflow Exploitation, Active Directory)
  - **Jr Penetration Tester** (Introduction to Pentesting, Network Security, Metasploit, Privilege Escalation)
  - **DevSecOps** (Secure Software Development, Security in & of the Pipeline, Container Security)
  - **Security Engineer** (Threats and Risks, Managing Incidents)
  - **CompTIA Pentest+** (Planning and Scoping, Tools and Code Analysis, Information Gathering)
  - **Web Fundamentals** (Burp Suite)

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[1] **Diplomas, Certificates and Transcripts**

- **Cyber Defense** (Threat and Vulnerability Management, Security Operations & Monitoring, Threat Emulation, Incident Response and Forensics, Malware Analysis)
- **Cyber Security 101** (Networking, Exploitation Basics, Web Hacking, Offensive & Defensive Security Tooling, Security Solutions)
- **Pre Security** (Linux, Windows and Network Fundamentals, How the Web Works)
- **Introduction to Cyber Security** (Offensive & Defensive Security)
- **Complete Beginner** (Web Hacking Fundamentals, Cryptography, Shells and Privilege Escalation)
- [LeetCode](#) Badges:
  - **Programming Skills** (Basic Implementation, Built-In Functions, Simulation, Matrix, Math, Linked List, Binary Tree, Design, Tricky Implementation)

2023-2024

- **American Computer Science League** Awards:
  - **Finals 2024 Senior Contest – Gold Medal Award & second highest score worldwide**
  - **Regular Season Senior 3 Contest 2023-24 – First Place & second highest individual score worldwide & fifth place at the team level** as part of the Grigore Moisil National College of Computer Science team
- County Stage of the National Computer Science Olympiad – **Second Prize**
- 11th Grade – **First Prize** (Average: **10.00,** equivalent to a **4.0 GPA**)
- Intercounty Creation and Programming Contest "4IT50" Programming Section (Cluj-Napoca) – **Second Prize**
- National Stage of the Comper Contest – Romanian Language and Literature – **First Prize** (diploma of excellence for competence and performance)
- Belfast Met & Grigore Moisil National College of Computer Science Brașov Hackathon – **First Prize** (developed an AI-based educational platform for mental health and suicide prevention for individuals with disabilities)
- InfoTRON 2024 – Computer Science, Your Step into the World of Mechatronics – Certificate of Participation in Training Sessions

2022-2023

- County Stage of the National Computer Science Olympiad – **Second Prize**
- Participation in the National Olympiad in Informatics, High School Section
- 10th Grade – **First Prize** (Average: **10.00**, equivalent to a **4.0 GPA**)
- County Stage of the Physics Olympiad – **Honorable Mention**
- ZIRCON Online Physics, Chemistry, and Biology Competition (Technical University "Gheorghe Asachi" of Iași) – **Third Prize** (Physics), **Honorable Mention** (Chemistry), **Honorable Mention** (Physics and Chemistry)
- RAU-CODER 2023 – **12th place**
- Hacker Rank Certificate Problem Solving (Intermediate, Basic)
- Competency Certificates Circular Learning Space, powered by the EU-funded Girls Go Circular project **(Highly Specialised Proficiency Level according to the European Digital Competence Framework for Citizens DigComp 2.2)**:
  - A Circular Economy for Smartphones and Electronic Devices
  - Circular and Climate Resilient Transformation of Cities
  - Deep Tech Innovation from Farm to Fork
  - Semiconductors Powering Digital and Green Transformation
  - Climate-neutral Hospitals of the Future - Saving Lives the Circular Way
  - Fashion and the Circular Economy
  - Sustainable Mobility for Circular and Inclusive Cities
  - Smart and Healthy Cities
  - E-waste and the Circular Economy
  - Metals and the Circular Economy
  - Rethinking Plastics
  - Artificial Intelligence and the Circular Economy
  - Circular Economy of Food in Cities
  - Tackling Climate Change Through Circular Consumption
  - Robotics and the Circular Economy
  - Schools as Living Labs for Systemic Food Circularity

- "Ștefan Procopiu" Physics Competition for Romanian Students Everywhere, Section III, Inter-County Stage (Iași) – **First Prize**
- 9th Grade – **First Prize** (Average: **10.00**, equivalent to a **4.0 GPA**)
- County Stage of the Romanian Culture and Spirituality Olympiad – **Second Prize**
- County Computer Science Competition "Info-Moisil" Brașov, Software Creation Section – Participation Certificate

EDUCATION

- High School: Grigore Moisil National College of Computer Science, Brașov (Profile: **Mathematics– Computer Science, Intensive Computer Science**), 2021-2025:
    - **Valedictorian of the graduating class, with a perfect final average of 10.00 (equivalent to a 4.0 GPA), ranked first out of 146 students**
    - **Delivered a flawless academic performance in 12th grade: 73 perfect scores of 10.00 out of 73 assessments, an unprecedented achievement marked by exceptional consistency**
    - **Baccalaureate Diploma:** Final Average – 9.46 (Romanian Language and Literature: 8.90; Mathematics: 10.00; Computer Science: 9.50)
    - High School Graduation Diploma
- Middle School: "Grigore Moisil" National College of Computer Science, Brașov, 2017-2021:
    - **Valedictorian of the graduating class, with a final average of 9.98 (equivalent to a 4.0 GPA), ranked first out of 33 students**
- Primary Education: "Gheorghe Lazăr" Secondary School No. 3, Brașov, 2013-2017

SKILLS

- Solid background in data structures and algorithms
- Technologies: C++, C, C#, Python, Java, JavaScript, SQL
- Continuous expansion of knowledge portfolio
- Perseverance and a desire for self-improvement
- Strong leadership abilities, fostering team cohesion and inspiring collective success
- Clear, persuasive communication with active listening, tailored to diverse audiences
- Versatile thinker capable of integrating and switching between various areas of knowledge
- Language Skills:
    - Mother tongue: Romanian

Other languages	Evaluation	Reading	Grammar	Writing	Listening	Speaking
English	Cambridge C1 Advanced	C1	C2	C1	C2	C2
French	School Grading	B1	B1	B1	B1	B1

PROJECTS

- **GuardianEase:** An inclusive, purpose-driven website designed to address **the critical issue of suicide prevention among people with disabilities**
    - Role: **Developer** (HTML, CSS, JavaScript, Bootstrap, OpenAI API), **Team Leader and Creator**
    - **Virtual Psychologist:** AI-Powered chatbot trained based on psychological theory to offer real-time, empathetic support
    - **Text-to-Speech System:** Enhances accessibility for visually impaired users, enabling interaction through auditory support
    - **Interactive Sign Language Quiz:** Engages users to learn basic sign language for better communication
    - **Educational Resources:** Provides videos and written content focused on mental health education

- **BattleShipGameStudy:** A C# application simulating the classic BattleShip game in a Computer vs Computer mode, capable of **running and analyzing millions of game rounds**
    - Role: **Developer and Creator**
    - Implemented **four levels of AI difficulty,** ranging from random guesses to probability-based strategies
    - Tracked key metrics such as **win rates, average moves to victory, and the frequency of draws** across simulations
    - Enabled deeper insights into **game balance, optimal tactics, and AI behavior through statistical patterns and performance trends**
    - Optimized for high performance, simulating **1,000,000+ games efficiently**

- **NewHorizons: A robust and scalable database model for a travel company** that efficiently manages client reservations, travel packages, accommodations, invoices, and destinations
  - Role: **Database Designer and Modeler** (SQL, Normalization Techniques)
  - Designed and developed **the Entity-Relationship Diagram (ERD)** in Oracle SQL Data Modeler, ensuring alignment with Oracle database rules and best practices
  - Transformed the **logical model** into a **relational one** (mapping) using the engineering tool

PASSIONS
- Dedicated **competitive programmer** with a track record of solving approximately **3,000 problems** across various platforms: **Codeforces**, **LeetCode**, **Kilonova**, **Pbinfo**, **Infoarena**, et cetera
- Writer of **literature essays, movie reviews, and poetry** on **Literaria**, exploring various themes
- Enthusiast of **political science,** researching theories and current events with keen analytical insight
- Avid **football fan** with a clear understanding of game dynamics and strategies