



Personal Informations

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Braşov, Zărneşti

Links:
[GitHub](#)
[LinkIn](#)

Interests

- 3D modeling
- Front end programming
- Video editing

Languages

English ● ● ● ○ ○ ○
Germany ● ○ ○ ○ ○ ○

Ungureanu Damian

Student at Transilvania University - Bachelor in Software Development, Applied Informatics

Summary

Junior Front-End Developer with solid experience in HTML, CSS, and JavaScript, capable of creating attractive and functional web interfaces. I have contributed to the development and optimization of several web projects, ensuring that the user experience is intuitive and engaging. In addition to my core skills in front-end development, I have begun to explore and learn 3D modeling, bringing an extra layer of creativity and innovation to my projects. I also have experience using Git for version control and effective team collaboration.

Experience

Natural Selection Simulator:

- Mastered the principles of OOP, creating well-structured and reusable code by implementing classes and leveraging inheritance. Developed a deeper understanding of encapsulation and abstraction, enhancing code maintainability and scalability.
- Designed and optimized algorithms to simulate complex biological systems efficiently. Explored various optimization techniques to improve runtime performance and resource utilization, demonstrating proficiency in algorithmic thinking and problem-solving.
- Demonstrated proficiency in working with diverse data structures such as lists, dictionaries, and sets to manage simulation data effectively. Applied data manipulation techniques to represent genetic traits, population dynamics, and environmental factors, enabling comprehensive analysis and visualization of simulation results.
- Strengthened error handling and debugging skills through rigorous testing and troubleshooting of the codebase. Developed a systematic approach to identify and address errors, leveraging debugging tools and logging mechanisms to ensure robustness and reliability of the simulation application.

[Natural Selection Simulator](#)

Personal Website:

- Gained experience in writing clean, structured, and testable code using JavaScript. Learned best practices in programming such as code modularization and unit testing to ensure correct functionality and stability of the application.
- Learning the use of Git for version control, which was crucial for collaboration and organization. Learned how to manage code changes, collaborate effectively with other developers, and maintain a clear history of project evolution.
- Developed skills in creating intuitive and attractive web interfaces using HTML, CSS, and JavaScript. Built responsive and interactive interfaces, optimized for performance and accessibility.
- Enhanced abilities in identifying and resolving development and performance issues. Learned to diagnose problems, optimize code, and propose efficient solutions to improve application performance using JavaScript and other web technologies.

[Personal Website](#)

3D Modeling:

- Gaining the ability to create complex and detailed 3D models using advanced tools and functions in Blender. Utilizing extrusion, digital sculpting, and modifiers to create detailed geometries.
- Understanding and applying techniques for texturing and creating realistic materials. Creating and applying UV textures, using shaders, and setting up materials to achieve a realistic look.
- Learning techniques for lighting 3D scenes and rendering high-quality images. Setting up light sources, using HDRI for ambient lighting, and configuring render settings to optimize quality and render time.
- Learning efficient methods for organizing and managing 3D modeling projects. Using layers and collections to organize scenes, regularly versioning and backing up projects, and collaborating with other software tools (e.g., importing/exporting between Blender and other 3D applications).

[3D Modeling](#)

Education

10/2023 – 06/2026

Student at **Transilvania University of Braşov**, at **Matematichs and Informatics** on **Applied Informatics**.

Skills

- Python
- Java Script
- 3D Modeling
- SQL