

Mia Doričić

🏠 miadoricic.github.io ✉ miadoricic@gmail.com

Skills

- **Programming:** C#/C++/Python, JavaScript
- **Markup:** Markdown, reStructuredText, HTML/CSS
- **3D graphics:** Unreal Engine (versions 4 and 5), Unity, Blender
- **Audio/video:** Nuendo, Sony Vegas (Pro), FL Studio
- **General:** Windows, Linux, Microsoft Office (Word, Powerpoint, and Excel), Adobe Photoshop, Audacity, GIMP

Education

Bachelor of informatics (univ. bacc. inf.), Department of Informatics, 2018 – 2021
University of Rijeka

- Undergraduate thesis: [Shading optimization techniques in Unreal Engine](#) (mentor: [Dr. Vedran Miletić](#), Assistant Professor)
- **Student teaching assistant (mentor: [Dr. Vedran Miletić](#), Assistant Professor):**
 - [Code optimization](#) course for YUFE students (developed assignments for exercises and homework)
 - [Parallel programming on heterogeneous systems](#) for undergraduate students of informatics (preparation of teaching materials using the AMD ROCm platform and its libraries (rocPRIM, rocRAND rocBLAS, rocSOLVER etc.) and internal guide for using the Vulkan API for graphics and compute)
- **Science popularization activities:**
 - Participation in the programme of [Festival of science](#) 2019 (9th April 2019): Demonstration of virtual reality and computational chemistry tools (mentor: [Dr. Vedran Miletić](#), Assistant Professor; [Computer Networks, Parallelization, and Simulation Laboratory – CNPSLab](#))
 - Participation in the programme of [European researcher's night](#) 2018 (28th September 2018): *Microscope vs. supercomputers in pharmacy (supercomputers are 21st century microscopes)* (mentor: [Dr. Željko Svedružić](#), Assistant Professor; [Biomolecular Structure and Function Group – BioSFGGroup](#))
 - Speaker at [Document Freedom Day \(DFD\)](#) 2017 celebration at University of Rijeka (27th March 2017): *reStructuredText: plain text, only structured*

Experience

Freelance jobs: 2020 – 2021

- Created a number of game levels for two video games in Unity
- Created an application for kindergarten-level children in Unity

Awards

- 3rd place in [Realizator](#) 2018 business case study competition (3rd December 2018)

Languages

- Croatian (mother tongue)
- English (fluent)

References

- **Dr. Vedran Miletić**, Assistant Professor, Faculty of Informatics and Digital Technologies, University of Rijeka, Rijeka, Croatia. Contact: vmiletic@inf.uniri.hr

Hobbies

- **Music:** In my free time I like to make covers of songs that I produce myself. From 2008 – 2016 I've been an active member of a professional singing ensemble *Putokazi*, where I learned a lot about team work and organization, and also went on to perform in several cities of China and throughout the whole of Croatia.
- **Game character design:** In my spare time I design video game characters and make several stories that could potentially grow to be a plot for a video game.