

CONTACT

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Location: Geneva, Switzerland

PROFESSIONAL EXPERIENCE

Experienced(XP) Lead Extended Reality(XR) Developer

July 2021 – Present

ORamaVR

- Leading the development of 4 VR medical training simulations in Unity, contributing to code development and maintenance, managing task delegation, coordination with development team and clients.
- Serving as a core developer for 6 untethered VR medical simulations in Unity, focusing on simulation design, multiplayer integration, interactive gamified UX solutions and optimizations ensuring stable performance at 72 FPS on over 5 commercially available XR HMDs.
- Maintained code and developed new features in the MAGES SDK in both Unity and Unreal Engine 4, responsible for analytics, action prototypes, cooperative play, interactive and gamified solutions.
- Spearheaded the development of immersive XR applications integrating advanced plugins such as Oculus, OpenXR, and WaveXR to enhance user experiences.
- Pioneered hardware integration projects, successfully incorporating Vive Trackers, Ultimate Trackers into virtual environments
- Led the implementation of sophisticated hand tracking technologies, enabling intuitive user interactions and boosting the accessibility of applications.

Software Engineer

Jan 2019 – Mar 2021

Telemetry System Measurements

- Interface design and software development for electrical and electronic measurement systems.
- Communication with the CEO to determine the requirements.
- Presentation of the results to the technical team.

PROJECTS AND PUBLICATIONS

VR Isle Academy: A VR Digital Twin Approach for Robotic Surgical Skill Development (Published at CGI2024)

- Developed a portable, device-agnostic VR training simulator for robotic surgery, emphasizing cost-effectiveness and reducing the learning curve, with integrated hand and foot tracking to enhance realism and interactivity.
- Enabled real-time and offline error tracking for performance monitoring, demonstrating significant reductions in user error rates over multiple sessions. [Link](#)

Hellas Logo Quiz

- Developed and published a Unity mobile quiz game on Google Play, challenging players to identify iconic Greek brands across multiple categories. Features stage unlocking, memory training, and progressive difficulty. [Link](#)

EDUCATION

Hellenic Open University, PhD in Computer Graphics

July 2024 – Present

Developing an AI-driven VR training environment that adapts to users' skill levels in real time, enabling collaborative, competitive, and realistic multi-user learning experiences.

University Of Western Macedonia, MS in Digital Games and Multimedia Applications

Sep 2022 – Mar 2024

Thesis: JARVRIKS: Developed a multithreaded full-body VR IK system in Unity using Vive XR Elite and Ultimate Trackers. Implemented C# Graphics Jobs, runtime calibration, and a VR IK Editor for real-time effector manipulation. Created three demos: a Superhot clone (upper body), a Beat Saber clone (upper body), and a soccer game (lower body). ([Video](#))

University of Crete, BS in Computer Science

July 2024 – Present

- Thesis: Unreal Engine 4 Survival Horror Game, presentation of personal idea and game scenario to a supervising professor [Link](#)
- Developed the original Super Mario Bros with my team in C++ using Allegro5 [Link](#)