



PANAGIOTIS PAPADOPOULOS

Computer Science Graduate Student at
Purdue University Northwest

About Me

Computer Science graduate student at Purdue University Northwest (GPA 4.0) with a strong background in research-driven software development, data systems, and immersive technologies. Valedictorian graduate with hands-on experience in Java, Python, SQL, Docker, and distributed systems through funded European research projects. Published researcher in VR/HCI and electromagnetic measurement studies, with proven ability to collaborate in multidisciplinary teams and translate research into working systems.



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Language

- English
- Greek

Skills

- Programming Languages: Java, Python, C, PHP, MATLAB
- Databases: PostgreSQL, MongoDB
- Tools & Frameworks: Docker, Spring Boot, Hadoop, WEKA, Metabase
- Web & Markup: HTML, CSS, Markdown

Experience

Substitute Teacher K-12

School Town of Munster Feb 2025 - present

Research Assistant

HCI/VR Lab at the Dep. of Informatics & Telecommunications

Jul 2021 - present

- Designed and implemented components of an interactive VR Tunnel for an EU-funded research project
- Collaborated with multidisciplinary teams on VR interaction design, system integration, and experimental evaluation.

Research Assistant

ENIRISSTplus Research Infrastructure May 2023 - Aug 2023

- Contributed to validation and methodology assessment of research services developed by the University of the Peloponnese.
- Participated in quality assurance and documentation processes for research infrastructure services.

Research Assistant

Pandora - Observatory of electromagnetic fields emitted from 5G May 2022 - Oct 2023

- Conducted RF-EMF measurement campaigns across multiple locations using state-of-the-art equipment.
- Contributed to data collection and analysis supporting published research on 5G exposure assessment.

Education

Purdue University Northwest

MSc in Computer Science 2025 - present

University of the Peloponnese

BSc in Informatics and Telecommunications(Computer Sci) 2019-2024

Grade: Excellent – 8.72 / 10.00, Valedictorian,

Recipient of a merit-based academic scholarship from the Sarantopoulos Welfare Institution

Selected Projects

Postgres & Chill – Movie Recommendation System

Built a data-driven recommender using PostgreSQL, Docker, and Spring Boot to generate personalized movie suggestions.

Frequent Collaboration Patterns Mining

Analyzed academic publications to extract collaboration patterns using WEKA and Python.

Trending Videos Analysis using MongoDB

large-scale aggregation pipeline analysis on YouTube trending data with result visualization via Metabase.

[FULL CV](#)

