



# 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

