Thanasis Georgiadis

Valaoritou 2, 45444 Ioannina, Greece

Contact via email:
geor.thanasi@gmail.com (primary)
thangeo@uoi.gr

Contact via phone:
+306955263592

Contact online:
https://github.com/ThanGeo
https://www.linkedin.com/in/thanasis-georgiadis/

SUMMARY

I received my BSc and MSc diploma in Computer Science and Engineering from the Computer Science and Engineering Department of the University of Ioannina in 2021. Immediately after, I enrolled in the University's PhD program and began working towards my doctoral research on spatial data management. My interests include spatial data management, distributed systems, parallel programming and any prospect of combining them together.

EXPERIENCE

Freelance Researcher at the "MESA: In-memory Spatial Analytics Made Scalable" program, **University of Ioannina Research Commitee**	September 2022 – now

- Working as a researcher on the following fields: big spatial data management, scalable query processing, distributed systems

Researcher (scholarship) at the "DIONI: Computing Infrastructure for Big-Data Processing and Analysis" program, **University of Ioannina Research Commitee**	October 2021 – August 2022

- Worked as a researcher, developing prototype techniques for distributed spatial data management, focusing on polygonal geometries and grid partitioning techniques.

EDUCATION

University of Ioannina, Department of Computer Science & Engineering, Greece

◦ PhD Candidate in Computer Science & Engineering	July 2021- Present

→ Advisory Committee:
- ◦ Prof. Nikolaos Mamoulis (Supervisor)
- ◦ Associate Prof. Vassilios V. Dimakopoulos
- ◦ Prof. Evaggelia Pitoura

◦ BSc + MSc in Computer Science & Engineering	Sept 2015 – June 2021

→ Grade: 6.80
→ thesis: Development of a Big Spatial Data Management System
- ◦ Created a prototype distributed system that partitioned polygonal data across machines and performed range query tasks on it in a parallel way, using CPU threads.
- ◦ Grade: 10.0

PUBLICATIONS

- T. Georgiadis and N. Mamoulis, "Raster Intervals: An Approximation Technique for Polygon Intersection Joins," Proceedings of the ACM Conference on Management of Data (SIGMOD), Seattle, WA, June 2023. https://www.cs.uoi.gr/~nikos/sigmod23.pdf

TECHNICAL SKILLS

Programming Languages	C/C++, Python, Java
Scientific Interests	Spatial data management, distributed systems, parallel programming
Libraries	OpenMP, MPI, Boost Geometry, NumPy, pandas

OTHER SKILLS AND INTERESTS

Languages	Greek (native), English (fluent), French (basic)
Personal Interests	Guitar, Dungeons & Dragons, Board games