VASILIS PAPAGEORGIOU

Computer Sciences Ph.D. student

University of Wisconsin-Madison

vpapageorgio@wisc.edu ⋄ Personal Website ⋄ Google Scholar ⋄ Twitter ⋄ Github

EDUCATION

University of Wisconsin-Madison (UW-Madison), *Madison, WI*
Ph.D. in Computer Sciences   Aug 2022 - present
Advisor: Dimitris Papailiopoulos

Technical University of Crete (TUC), *Chania, Greece*
MEng in Electrical and Computer Engineering   Sep 2016 - Oct 2021
Advisor: Aggelos Bletsas
Grade: 9.55/10 *(top 0.5% in school's history as of Oct 2021)*
Summa cum laude

RESEARCH INTERESTS

Theoretical/Applied Machine Learning, Deep Learning, Large Language Models, Optimization

RESEARCH EXPERIENCE

Research Assistant   Aug 2022 - present
University of Wisconsin-Madison

- Working on Large Language Models and Machine Learning.

Undergrad Research Assistant   Dec 2020 - Oct 2021
Technical University of Crete

- Developed an algorithmic framework for distributed and asynchronous iterative algorithms in ambiently powered wireless sensor networks.

Electrical and Computer Engineering Intern   Jul 2019 - Jul 2019
Telecommunication Systems Research Institute, TUC

- Implemented a wireless communication link of two transmitting and a single receiving Software Defined Radios (SDR) using Matlab.
- Applied synchronization, channel estimation, detection techniques, and Alamouti's space-time block code.

CONFERENCE PUBLICATIONS

- V. Papageorgiou, A. Nichoritis, P. Vasilakopoulos, G. Vougioukas and A. Bletsas, "Towards Ambiently Powered Inference on Wireless Sensor Networks: Asynchrony is the Key!," *2021 17th International Conference on Distributed Computing in Sensor Systems (DCOSS)*, Pafos, Cyprus, 2021, pp. 458-465 (received **best paper award**)

JOURNAL PUBLICATIONS

- V. Papageorgiou*, A. Nichoritis*, P. Vasilakopoulos*, G. Vougioukas and A. Bletsas, "Design and Implementation of Ambiently Powered Internet-of-Things-That-Think with Asynchronous Inference," in *IEEE Internet of Things Journal*, 2023

TEACHING ASSISTANTSHIP

MATH 101 (Intro to Calculus and Analysis)   Fall '19, Fall '20
Technical University of Crete

SCHOLARSHIPS & FELLOWSHIPS

Gerondelis Foundation Graduate Study Scholarship ($5,000)   Nov 2023
Gerondelis Foundation

First-year CS Departmental Scholarship ($4,000)   2022 - 2023
University of Wisconsin-Madison

HONORS & AWARDS

Summa cum laude   Oct 2021
Technical University of Crete

2021 IEEE WCNEE Best Paper Award   Jul 2021
IEEE

SOCIETIES & AFFILIATIONS

IEEE TUC Student Branch   Oct 2018 - Oct 2021

SKILLS

Technical Skills	Python, Pytorch, Matlab, C, Java, LaTeX
Languages	English (fluent), German, Greek (native)
Miscellaneous	Guitar