

Konstantinos Pantazis

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EDUCATION

July 2022 – June 2023	Johns Hopkins University, Maryland Postdoctoral Fellow in the Department of Applied Mathematics and Statistics (AMS), Whiting School of Engineering
August 2019 – May 2022	University of Maryland, College Park, Maryland PhD in Mathematics
September 2017 – July 2019	University of Massachusetts, Amherst, Massachusetts PhD in Mathematics, GPA: 3.956 (13 graduate level courses)
September 2011 – June 2016	National & Kapodistrian University of Athens, Greece Bachelor of Mathematics

PUBLICATIONS

1. **“The Importance of Being Correlated: Implications of Dependence in Joint Spectral Inference across Multiple Networks.”** Pantazis, K., Athreya, A., Arroyo, J., Frost, W.N., Hill, E.S., and Lyzinski, V. *Journal of Machine Learning Research (JMLR)* 23(141):1–77, 2022.
2. **“Multiplex graph matching matched filters.”** Pantazis, K., Sussman, D.L., Park, Y., Li, Z., Priebe, C., Lyzinski, V. *Applied Network Science* 7, 29 (2022).
3. **“Clustered Graph Matching for Label Recovery and Graph Classification”** Li, Z., Arroyo, J., Pantazis, K., and Lyzinski, V.

CONFERENCES / TALKS (SPEAKER)

December 17-19, 2022	CMStatistics2022: 15th International Conference of the ERCIM WG on Computational and Methodological Statistics. Virtual
November 28 – Dec 1, 2022	NeurIPS 2022: Thirty-sixth Conference on Neural Information Processing Systems In-person
December 10, 2021	National & Kapodistrian University of Athens, Greece In-person
August 8 – 12, 2021	2021 Joint Statistical Meetings (JSM) Virtual
August 12, 2021	DEVCOM – ARL Summer Student Symposium Virtual
July 5 – 10, 2021	NETWORKS 2021: A Joint Sunbelt and NetSci Conference

INTERNSHIPS / RESEARCH EXPERIENCE

June 2022 – August 2022

Joint E+D & MSR Research Intern at Microsoft

Aim attention at modeling security incidents via graphs and applying deep graph similarity learning methods toward building interactive systems.

June 2021 – August 2021

CCDC-ARL Summer Student Experience: Computational and Information Sciences Directorate, Adelphi MD

Literature review on Recommender System theory with the main purpose in mind of developing a learning algorithm for collaboratively prioritizing and filtering information object in dynamic contextual environment.

June 2020 – August 2020

Research Assistant, University of Maryland, College Park

Developed code in R for real data experiments using Aplysia californica brain data, produced new theory on Multiscale Graph Inference area and designed simulations on synthetic data to provide insights of this theory.

September 2018 – August 2019 **Research Assistant, University of Massachusetts, Amherst**

Worked on a Graph Matching problem under the supervision of my advisor Vincent Lyzinski, Assistant Professor, Department of Mathematics & Statistics, University of Maryland, College Park.

TEACHING EXPERIENCE

September 2022 – Present

Course Instructor, Johns Hopkins University

Probability and Statistics for the Biological Sciences and Engineering (EN.553.311)

September 2021 – May 2022

Teaching Assistant, University of Maryland, College Park

Graded the graduate course MATH630-Real Analysis I and the undergraduate course MATH416-Applied Harmonic Analysis: An Introduction to Signal Processing. Also, lead discussions for the undergraduate course MATH240-Introduction to Linear Algebra.

September 2019 – May 2021 **Teaching Assistant, University of Maryland, College Park**

Lead discussions for the upper-level undergraduate courses MATH461-Linear Algebra for Scientists & Engineers and STAT400 Applied Probability and Statistics (twice). Graded the graduate course MATH630-Real Analysis I.

September 2017 – May 2018

Teaching Assistant, University of Massachusetts, Amherst

Lead discussions for the undergraduate course of Differential Equations.

TECHNICAL SKILLS

Programming:

R (Advanced knowledge), **PYTHON** (Tensorflow, PyTorch, Scikit-Learn, Networkx), **MATLAB** (Numerical Optimization algorithms, Linear-nonlinear dimensionality reduction, Matrix factorization), **SQL** (Basics)

Software & Tools: **MS OFFICE, LATEX**

Foreign Language: **ENGLISH** (Full professional proficiency), **GREEK** (First language),
SPANISH (Limited working proficiency)

FELLOWSHIPS / SCHOLARSHIPS / AWARDS

2021 – 2022 **IMS Hannan Graduate Student Travel Award \$750**

Fall 2019 – Spring 2021 **Dean’s Fellowship, University of Maryland \$10000**

Spring 2020 **Gerondelis Foundation Inc. Scholarship \$5000**

August 2017 **UMASS Fellowship, University of Massachusetts** (\$500 along with the acceptance letter)

Fall 2016 – Spring 2017 **UoA Fellowship, University of Athens** (\$1000 as a top three 1st year Master student in Applied Mathematics program)

PERSONAL INTERESTS

- Listening to podcasts about Behavioral Sciences and Neuroscience
- Running, Hiking, Rockclimbing