Evangelia Gergatsouli

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Summary

- **Research Interests**: Optimization under uncertainty, machine learning, theoretical foundations of data-driven and online algorithms
- Collaborated with various teams in academic institutions in Europe, North & South America and in industry

Work/Research Experience

- **Postdoctoral Fellow**, **Georgia Institute of Technology** (GaTech) — *2024-now*
- **Graduate Research Assistant**, University of Wisconsin Madison — *2021-2024*
- **Visiting PhD**, [Center for Mathematical Modeling](#), **University of Chile** — *Mar-May '23*
- **Research Intern**, **Meta**, **Core Data Science** (Menlo Park, CA) — *Summer '22*
  Worked on improving the ads allocation and pricing algorithms for Facebook Ads
- **Research Intern**, [Max Planck Institute for Informatics](#) (remote) — *Summer '20*
  Worked on improving online facility location algorithms using ML predictions

Education

- **University of Wisconsin - Madison** (USA) **PhD** in Computer Science — *2020-2024*
  Thesis title: Data-Driven Search with Costly Information: When to Open Pandora's Box
- **University of Wisconsin - Madison** (USA) **MS** in Computer Science, GPA 3.8/4 — *2018-2020*
- **National Technical University of Athens** (Greece) — *2012-2018*
  Bachelor & **MS**, School of Electrical and Computer Engineering, *GPA*: 9.08/10

Publications

- **Improved Bounds for Online Facility Location with Predictions** — *AAAI '25*
  Fotakis, Gergatsouli, Gouleakis, Patris, Tolias
- **Contextual Pandora's Box** — *AAAI '24*
  Atsidakou, Caramanis, Gergatsouli, Papadigenopoulos, Tzamos
- **Weitzman's Rule for Pandora's Box with Correlations** — *NeurIPS '23*
  Gergatsouli, Tzamos
- **Prophet Secretary Against the Online Optimal** — *EC '23*
  Dütting, Gergatsouli, Rezvan, Teng, Tsigonias-Dimitriadis
- **Approximating Pandora's Box with Correlations** — *APPROX '23*
  Chawla, Gergatsouli, McMahan, Tzamos
- **Graph Connectivity with Noisy Queries** — *MFCS '23*
  Fotakis, Gergatsouli, Pipis, Stouras, Tzamos
- **Online Learning for Min Sum Set Cover and Pandora's Box** — *ICML '22*
  Gergatsouli, Tzamos
- **The Complexity of Black-Box Mechanism Design with Priors** — *TEAC*

Gergatsouli, Lucier, Tzamos

- **Pandora's Box with Correlations: Learning and Approximation** _FOCS '20_
  Chawla, Gergatsouli, Teng, Tzamos, Zhang
- **Black-box Methods for Restoring Monotonicity** _ICML '20_
  Gergatsouli, Lucier, Tzamos
- **The Complexity of Black-Box Mechanism Design with Priors** _EC '19_
  Gergatsouli, Lucier, Tzamos

SKILLS

- **Languages**: C, C++, Python
- **Libraries/frameworks**: Pandas, scikit-learn, numpy, seaborn, Pytorch, Mathematica

AWARDS

- **Best Poster** for _"Opening Pandora's box: the Correlated Case"_ at IPCO _2023_
- **Grace Hopper** UW-CS Departmental Scholarship 2022 (declined) _2022_
- **Gerondelis Scholarship** for Greek students pursuing a PhD in the US _2019_
- **Graduate Fellowship** for incoming grad students (UW- Madison) _2018_

LEADERSHIP EXPERIENCE

- **Mentor** for various University of Wisconsin CS programs
  - Student chapter of ACM-W mentoring program _Fall '21, Sp. '22_
  - Computer Sciences Department first year grad students mentoring _Fall '22_
  - WISCERS program for mentoring undergrad students _Spring '21_