

Zafeiria Moumoulidou

College of Information and Computer Sciences
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<https://imoumoulidou.github.io/>

Education

- September 2018-present **Ph.D.**, *College Of Information and Computer Sciences*, UMass Amherst, Amherst MA.
Advisor: Prof. Alexandra Meliou
- August 2018 **Diploma, MSc.equivalent**, *Electrical & Computer Engineering*, Technical University Of Crete, Chania.
Diploma Thesis: Dynamic Decision Trees in a Distributed Environment
Advisors: Prof. Minos Garofalakis, Prof. Antonios Deligiannakis
GPA: 8.52/10.00

Research Interests

- Data fairness and diversity, Data management
- Machine Learning, Data Mining

Research & Academic Experience

- Fall 2018-present **Research Assistant**, *Working on algorithmic fairness and diversity with Prof. Alexandra Meliou, UMass Amherst.*

Technical skills

- Programming: Python, Java, C, Matlab/GNU Octave, SQL, nesC
- Environments & Tools: MapReduce (Hadoop), Apache Storm, TinyOS
- Typesetting: \LaTeX , Microsoft Office
- Operating Systems: Windows, Linux

Graduate Coursework

- Advanced Algorithms, Prof. Ramesh Sitaraman (A-)
- Randomized Algorithms, Prof. Andrew McGregor (A)
- Database Design & Implementation, Prof. Gerome Miklau (A)
- Machine Learning, Prof. Brendan O'Connor (A)
- Neural Networks: A Modern Introduction, Prof. Erik Learned-Miller (A)
- Research Methods in Empirical Computer Science, Prof. David Jensen (A)
- Optimization in Computer Science, Prof. Madalina Fiterau (A)

Notable Undergraduate Coursework

- Special Topics in Database Systems (10/10)- **graduate course**
- Data Management and Processing in Sensor Networks (9/10)*
- Human Computer Interaction (10/10)*
- Information Management Methods (9.5/10)*
- Biomedical Technology (9.5/10)
- Information Theory (10/10)
- Statistical Signal Processing (9/10)
- Convex Optimization (9/10)*
- Computer Networks I (10/10)
- Digital Signal Processing (10/10)
- Linear Systems (10/10)
- Automatic Control (10/10)
- Probability Theory & Statistics (9.5/10)
- Operating Systems (9/10)
- Statistical Modelling & Pattern Recognition (8.5/10)
- Advanced Topics in Database Systems (8/10)

*Cross-listed graduate course: attended as an undergraduate student but fulfilled graduate requirements

Foreign Languages

- Greek** Mothertongue
- English** Certificate of Proficiency in English, University Of Cambridge, University Of Michigan (C2)
- Spanish** Diploma Superior de Español Como Lengua Extranjera, Instituto Cervantes (C2)
- German** Goethe-Zertifikat B2