



Fully Funded Ph.D. Positions in Machine Learning & Statistical Signal Processing



under the supervision of Prof. Daphney-Stavroula Zois
Electrical and Computer Engineering Department
University at Albany, SUNY

Our lab: The decision Making for Ambient Intelligence Environments (IMAGINE) lab at the Department of Electrical and Computer Engineering in the University at Albany, SUNY is conducting cutting-edge research in machine learning and statistical signal processing. Our research interests lie on the design of information-gathering and processing algorithms that arrive at good decisions under various constraints (e.g., energy, time, noisy or missing data). We work on a variety of interdisciplinary and innovative applications including but not limited to *smart & connected communities* (e.g., search and delivery of human services), *safe online environments* (e.g., cyberbullying detection in social networks), *e-health* (e.g., energy-efficient physical activity detection for human wellbeing), and *environment & agriculture* (e.g., improving market access for smallholder farmers).

Our Graduates: Our students have interned in and secured positions after graduation in **multinational technology companies**, such as Microsoft, Amazon, Google, and GE.

Life in Albany: Albany is a place of history, culture and beauty. It is also the capital of New York, the nanotechnology center of the world and home to many Fortune 500 companies. One of the Best College Towns in America, Albany has also won the All-America City Award twice. An affordable city, Albany has all the services and attractions of a major urban center. Albany is just a few hours away from some of the most important cities (New York City, Boston, Philadelphia, Washington, D.C., Montreal, Toronto) and popular destinations (Niagara Falls, Adirondack Mountains, Berkshire Mountains, Howe Caverns) in the United States and Canada.

Candidate Profile: We are looking for highly motivated students holding a BSc or an MSc degree in Electrical and Computer Engineering, Computer Science or relevant fields to join our lab and pursue a PhD degree. Candidates must have a strong foundation in probability, statistics, and linear algebra, and strong problem-solving and programming skills (Python programming experience is preferred). Having prior knowledge (by taking courses or doing projects) in Machine Learning, Data Mining, Artificial Intelligence, or Natural Language Processing is preferred.

How to apply: Interested candidates should contact Prof. Daphney-Stavroula Zois (dzois@albany.edu) and include a brief statement why they are interested in this position, a curriculum vitae (CV) and unofficial transcript(s) from all colleges/universities attended. Candidates are strongly encouraged to **get in touch as soon as possible**. Further information about our projects is available at:

- IMAGINE Lab: <https://www.albany.edu/~dz973423/Imagine-Lab-Index.html>
- Departmental webpage: <https://www.albany.edu/ece/faculty/daphney-stavroula-zois>
- Personal webpage: <https://www.albany.edu/~dz973423/>