Machine Learning Group (GAA)

MASTER/PhD/POSTDOC OPEN POSITIONS

Escuela Politécnica Superior. Universidad Autónoma de Madrid.

The Machine Learning Group at Universidad Autónoma de Madrid is seeking for highly talented and motivated Master/PhD students or post-doctoral scientists to work in our research group (www.ii.uam.es/~gaa).

The Machine Learning Group (more info below) aims to incorporate Master/PhD students and/or post-doctoral scientists to its research team.

The initial appointment is from early 2016 until September 30 2016, with further extension possible depending on project needs and applicant's performance.

Salary to be negotiated with the candidate according to his/her experience.

Skills & Experience required:

- Degree in computer science engineering, telecommunication technology and service engineering, science (mathematics, physics, …).

- Programming Languages: C, R, Python, Matlab.

- Proficiency in English.

- PhD. Candidates must be in possession of a relevant Master's degree (or very close to obtaining it) preferably in Machine Learning or similar areas at the time of appointment.

- Post-doctoral candidates must be in possession of a relevant PhD degree (or very close to obtaining it) preferably in Machine learning or similar areas at the time of appointment.

Although not strictly required, the following items are recommended:

- Letters of recommendation.

- Competitive publication track record in the case of Postdoctoral candidates.

Applications are to be submitted before November 30 2015

Candidates should submit their applications by mail to gaamlg@uam.es by November 30 2015, attaching de following documents:

- CURRICULUM VITAE, including academic information, list of publications, work experience, fellowships, research awards or other relevant merits.

- Copy of Master's Certificate (PhD candidates) or PhD Certificate (Post-doctoral candidates).

About the Machine Learning Group (GAA)

The Machine Learning Group (Grupo de Aprendizaje Automático, GAA) belongs to the UAM-CSIC Campus of International Excellence. The GAA group has two principal lines of activity:

1. The research of new Machine Learning (ML) paradigms and basic computational techniques for modelling and prediction aimed to their application in data mining. This research includes deep learning and neural networks, Bayesian learning, ensemble methods, convex optimization and sparse models, Support Vector Machines and kernel methods, and complex, dynamic, and stochastic systems.

2. The application of advanced machine learning, data science and data analytics to concrete problems of particular relevance to technology transfer. The main application areas are wind and solar energy forecasting, computation and simulation in finance, digital image analysis, and bioinformatics and bioinference.

The GAA team is comprised by 10 professors of the Computer Science and Engineering Department at UAM coming from different science areas such as computer science, mathematics, physics or chemistry, among others. The team is completed by PhD researchers, and PhD and Master level students. Additionally, the GAA group has multiple collaborations with international research institutions and groups. During the last years, the group has published more than 30 papers in JCR high-impact journals such as the Journal of Machine Learning Research, IEEE Transactions on Pattern Analysis and Machine Intelligence, or Pattern Recognition, among others. The group has also published in the most prestigious Machine Learning conferences including ICML and NIPS.

The GAA group has been involved in several research projects. For the last 20 years, it has participated in the Spain's Information Technology National Program projects. The GAA group is also part of the CASI-CAM project, an interuniversity project focused on the collaboration between machine learning groups in the Community of Madrid.