

## FACULTY POSITIONS IN MACHINE LEARNING

The Faculty of Engineering and Sciences of Universidad Adolfo Ibáñez is pleased to invite researchers to apply for open-rank faculty positions in machine learning due to start as early as March 1<sup>st</sup>, 2022.

### **The Faculty of Engineering and Sciences (FES) of Universidad Adolfo Ibáñez (UAI)**

UAI is a prestigious private university in Chile. Founded as a business school in 1953, in 1988, it started operating as a university. At present, it has 12,400 students in 8 different schools located on two campuses: one in Santiago, the capital city of Chile, and the other in the coastal city of Viña del Mar.

The FES is one of the leading schools of engineering in Chile, which has experienced a rapid growth over the last ten years. It has about 4,000 students and more than 100 full-time professors. The FES offers 7 undergraduate engineering degrees, in addition to its M.Sc. and Ph.D. programs. The FES brings together an open-minded community of scholars who combine fundamental and applied research meant to develop creative and innovative projects. These projects are expected not only to advance the frontier knowledge but also to contribute toward developing solutions that can help to reach our sustainable development goals as portrayed by strategic plan (available at <https://ingenieria.uai.cl/plan-fic/>).

The Data Science Group (<https://datascience-uai.github.io/index>), within the FES, is composed by academics in the field of statistics, machine learning, artificial intelligence, and computer science. The eleven researchers in this group consistently participate in relevant national and international research projects, both theoretical and applied in nature, with a strong global collaboration network. Related FES academic postgraduate programs include: Master of Science in Data Science (and from 2022 the PhD in Data Science), PhD and Master program in Industrial Engineering and Operations Research, and PhD in Complex Systems Engineering. Also, professional programs include: Master in Data Science, and Master in Artificial Intelligence.

Additionally, UAI, and the FES, are one of the founding members of the Data Observatory Foundation (DO). A unique private and public, non-profit organization, with its Board of Directors made up of the Ministry of Economy, Development, and Tourism; the Ministry of Science, Technology, Knowledge, and Innovation; Amazon Web Services; and Universidad Adolfo Ibáñez. The DO's vision is to be at the vanguard of data-centric innovation, leading in the production of data-centric solutions, world-class research, talent, and social capital for the Latin American region. The DO's mission is to extract value from datasets of global value acquired and generated in or for the Latin American region; enable their maximal exploitation by the international scientific community, industry, and the public; and facilitate data access, analysis, exploration, visualization, and governance. More information here: <https://www.dataobservatory.net>

## Job description

The FES seeks candidates with demonstrated excellence in research, teaching and service and with expertise in both theory and applications of Machine Learning (ML). We seek candidates with experience particularly but not exclusively in the following research lines: statistical learning theory, statistical relational learning, optimization methods in ML, reinforcement learning, deep learning, and natural language processing.

Faculty members at FES are expected to teach, in Spanish and/or English, undergraduate and graduate courses related to Machine Learning/Artificial Intelligence and Data Science, supervise theses, conduct high quality research, publish in top international journals, submit research proposals to national, international and multinational funding organizations, and participate in outreach activities. FES also encourages and welcomes technological transfer and research in collaboration with the industry and the government. The salary depends on the qualifications of the chosen candidate. As a reference, a starting Assistant Professor should expect a monthly remuneration ranging between \$3.000.000 to \$4.000.000 CLP before taxes (US\$ 45.000 - US\$ 60.000 annual salary approximately). This salary does not include potential stipends from grants or research contracts.

Requirements include a PhD degree in Machine Learning/Artificial Intelligence/Computer Science/Statistics or a very closely related field, and an academic productivity level that complies with the Chilean CNA accreditation board guidelines. In particular, for the Associate Professor or Full Professor position, at least seven publications in Web-of-Science indexed journals over the last five years, and experience leading research grants and guiding postgraduate students. Experience in academic administration is a plus.

At FES, we believe that diversity broadens our research scope and enhances the quality of our education. Hence, we highly encourage women, international scholars, and minorities to apply for these positions.

## Application instructions

Applications should be turned in by **September 1st, 2021** to ensure full consideration, but the search will continue until the positions have been filled. Candidates should submit the following information via email to [FacultyPositions.FIC@uai.cl](mailto:FacultyPositions.FIC@uai.cl) (e-mail subject: Faculty Position in ML), including:

1. Statement of purpose (in English) indicating your merits for the position, and your plans in the areas of research and teaching in which you are interested (max 5 pages).
2. Curriculum vitae, which must at least include: contact information, educational background, educational and/or professional experience, and a list of publications in scientific journals.
3. Name, position and contact information of at least three people who can submit a recommendation letter in case you are shortlisted.

The candidate may also be asked to give a lecture about his/her current research topics and/or to hold interviews with the Dean and members of the Faculty of Engineering and Sciences. Interviews may be done by electronic means, if necessary.