



Servicios Informáticos / Zerbitzu Informatikoak



Atrás



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Guardar Dirección



Borrar



Salir

Usuario: ccpincai@ehu.es (INBOX)

Mensaje 60/61 (6K).

Marcas:

**Asunto:** [UAI] machine learning internships at Intel in Cambridge, MA**Para:** <uai@engr.orst.edu>**De:** "Gardos, Thomas R" <thomas.r.gardos@intel.com>**Fecha:** Wed, 17 May 2006 12:45:12 -0700

Intern Posting

Intern position available with Intel's Information Technology Research group starting this summer.

Job Description:

Develop novel machine learning/statistical learning solutions for problems in either enterprise IT manageability or manufacturing equipment performance prediction. We are exploring two problem domains.

Self-diagnosing and self-healing autonomic computing systems

In the first, we are looking to learn probabilistic models that can predict performance of enterprise services based on events reported by enterprise IT components (servers, network infrastructure, applications). Additionally, we wish to learn conditional dependency or causal relationships from event data.

Condition-based and Predictive Maintenance

In the second problem domain, we are interested in applying statistical learning methods to predict semiconductor fabrication tool performance and failure from tool time-series data. Based on historical fabrication tool performance data we wish to characterize when a fabrication tool is highly likely to produce defective product and/or suffer component failure.

The intern will work on one of these projects. Output of the project will minimally be a white paper and ideally be a conference submission summarizing the results of the investigation.

Applicant qualifications

The applicant should be enrolled in a graduate program in computer science, engineering, statistics, applied mathematics or related discipline with minimum of bachelor's degree and preferably a master's degree. The applicant should have expertise in machine learning, statistical learning, advanced statistics, probabilistic reasoning and related areas, demonstrated by coursework and a track record of research. Ideally, the applicant will have published in these areas. Proficiency in a scientific computing environment such as Matlab, R or S is preferable, as well as proficiency in high level programming and scripting languages.

Location:

The position is at Intel's offices in Cambridge, MA.

Send resume to Tom Gardos, thomas.r.gardos@intel.com.

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