

RECRUTEMENT

TEACHING AND RESEARCH PROJECT CONTRACT

2024-2025

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| U.F.R,School or Institute : IUT Grand Ouest Normandie – Département Informatique | |
| Research Lab : GREYC | |
| Type of contract (<i>préciser article</i>) : | Teacher researcher contract (3 years – 192 hours/year of teaching) |
| CNU Section / Topic | 27 – Computer science |
| Libellé général profil publication : | Computer Science |
| Contract dates : | February 2025, 1st – january 2028, 31 |
| Contacts - teaching information | Head of Dept Informatique : Albrecht Zimmermann albrecht.zimmermann@unicaen.fr |
| - research information | Head of Greyc Lab : christophe.rosenberger@unicaen.fr |
| - renseignements adm° | |

Profil publication : Informatique

Profil publication en anglais : computer science

Rajouter les mots clefs : Computer Science, Artificial intelligence, Programming, Algorithms

TEACHING PROFILE :

You will join the teaching team of the computer science department of IUT Grand Ouest Normandie, for teaching in the Bachelor speciality « application creation : design, development, validation » and contribute in increasing the teaching amount related to Artificial Intelligence.

You will propose classes within any of the competences « Realize », « Optimize » or « Administrate ». It is expected that you have a strong background in at least one of the following fields of expertise :

- Algorithms – Programming – Langages
 - imperative programming in C
 - Object oriented programming in Java, including GUI programming and event handling, with possibly the use of design patterns.
 - good practice in development : using en IDE (Eclipse), version controlling, unit tests

- Systems : Operating systems, Linux (GUI & CLI), Windows (GUI & CLI)
- Networks : IPv4, IPv6, DHCP, DNS, OSI, VPN, Cloud, ...
- Mathematics for computer science : numerical methods, matrices and linear algebra, descriptives statistics, cryptography, optimization methods, méthodes d'optimisations, decision aid.

Your ability to relate the topics taught to AI will be an asset as a key element of the Normanthia project to which the position belongs.

Finally, you will participate to SAÉ, accompany students in internship or apprenticeship, and take part to the department meetings.

RESEARCH PROFILE :

We are looking for candidates with a research topic related to artificial intelligence that will interact with one of the teams of the GREYC laboratory.

Artificial Intelligence should be taken with its broadest definition, including in particular the topics of the GDR *Raisonnement, Apprentissage, et Décision en Intelligence Artificielle* (RADIA <https://gdr-radia.cnrs.fr/>), *Masses de Données, Informations et Connaissances en Sciences* (MaDICS <https://www.madics.fr/>) and *Information, Apprentissage, Signal, Images, Vision* (IASIS <https://gdr-iasis.cnrs.fr/>)

Your research should have led you to at least one good publication in a conference or a journal recognized in your research domain. **Any application that proposes a research project showing a possible collaboration with one member of the Greyc Laboratory will be considered.**