

**PUBLICATION D'EMPLOIS D'ENSEIGNANTS ET ENSEIGNANTS-CHERCHEURS**

**RENTREE 2024**

U.F.R, Ecole ou Institut : UFR des sciences	
Equipe de recherche : GREYC	
Nature du concours ( <i>préciser article</i> ) :	CDD Enseignant-Chercheur (2 ans – service d’enseignement : 128h/an)
Section / Discipline demandée :	27 / Informatique
Corps demandé :	
Libellé général profil publication :	Poste d’enseignant chercheur en Traitement Automatique des Langues et Apprentissage appliqué à la Santé
Date recrutement demandée au :	01/09/2024
Contacts - renseignements enseignement	fabrice.maurel@unicaen.fr
- renseignements recherche	gael.dias@unicaen.fr
- renseignements adm°	Ingrid.laignel@unicaen.fr

Profil publication : L’UFR des Sciences recherche un.e enseignant.e-chercheur.se spécialisé.e dans le domaine du Traitement Automatique des Langues (TAL) et de l’Apprentissage automatique. Une expérience en Apprentissage Profond appliqué à la santé et la maîtrise des modèles de fondation seront des atouts supplémentaires.

Profil publication en anglais : The Faculty of Sciences is seeking a specialized lecturer in the field of Natural Language Processing (NLP) and Machine Learning. Experience in Deep Learning applied to healthcare and proficiency in Large Language Models will be additional assets.

Rajouter les mots clefs : Traitement Automatique des Langues, Apprentissage automatique, Apprentissage profond, Santé numérique

Keywords : Natural Language Processing, Machine Learning, Deep Learning, Digital Health

**I. TEACHING PROFILE:**

Fields of study :

- levels :  Bsc.  Msc.

- diplomas : Master in Computer Science – Artificial Intelligence, Data Science and Health (SATIN project – AMI CMA).

- subjects : Natural Language Processing – Machine Learning

Objectives in terms of pedagogical content and supervision :

The recruited person will be attached to the Mathematics and Computer Science department of the University of Caen Normandy. He/her will be required to participate in the teaching activities of the

Master's program in Computer Science, specializing in Artificial Intelligence, Data Science, and Health, funded by the CMA SATIN project. The SATIN project, funded to the tune of 2.5 million euros, notably involves the creation of a Master's program in Computer Science with a specialization in the field of Health, aiming to increase the number of students enrolled in dual competency programs in accordance with the national strategy for accelerating digital health.

In particular, the recruited person may be involved in the following teachings: Machine Learning, Deep Learning, Advanced Machine Learning, Advanced Deep Learning, Introduction to Natural Language Processing, Natural Language Processing, and Advanced Natural Language Processing. The selected candidate will also be required to propose projects in the field of digital health. The teaching workload will be reduced to 128 hours per year equivalent to teaching units.

Pedagogical and administrative responsibilities: The candidate will be involved in both the design of lectures and tutorials or practical work. The recruited person may contribute to the overall organization of the Master's program and, consequently, to the CMA SATIN project.

## II. RESEARCH PROFILE :

Topic/Project : Natural Language Processing, Machine Learning and Digital Health

Objectives of the recruitment :

The recruited person will be required to conduct research in the field of Natural Language Processing and Machine Learning. Specifically, his/her area of application should focus on Digital Health. Experience in deep Learning and proficiency in large language models will be additional assets. The selected candidate will conduct his/her research within the GREYC UMR 6072 laboratory, in one of the teams whose themes are most suitable.