A good candidate will have the following skills:

**Principales activités**

1. Review and follow the existing literature on Fairness and Federated Learning
2. Theoretically and empirically study the Fairness trade-offs inherent to Federated Learning and related to the decentralized nature of the data
3. Propose concrete approaches to measure and enforce various notions of Fairness in Federated Learning, and validate them on real datasets
4. Publish and present results in top machine learning conferences and journals

**Compétences**

A good candidate will have the following skills:
- A good command of English
- A strong background in mathematics
- A good knowledge of machine learning, statistics and algorithms
- Some experience with implementation and experimentation
- Preferably some knowledge on either fairness or federated learning (or both)

Please follow the instructions given in https://team.inria.fr/magnet/how-to-apply/ to set up your application file.

Avantages

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

Rémunération

1st and 2nd year : 2051 € Gross monthly salary (before taxes)
3rd year : 2158 € gross monthly salary (before taxes)