

Madams, Monsieurs

Je suis très intéressé par la position d'ingénieur de transfert technologie, posté sur le site web d'INRIA. Je suis actuellement ingénieur de recherche et développement au sein de l'équipe Multispeech au laboratoire LORIA-INRIA à Nancy, France. Poursuivant mon intérêt pour la recherche l'industrie, je suis persuadé que cette position est une grande opportunité pour moi.

Actuellement je travail sur le développement et l'amélioration des outils d'aide à l'apprentissage des langues, dans ce project ANR-DFG on s'intéresse à l'apprentissage de la langue française. ma contribution consiste à développer des outils d'interactions, permettant à l'apprenant de

At LORIA I have been working in area of Computer-Assisted Spoken Language Learning focusing on French spoken by German learners. my contribution is towards both the signal processing and machine learning aspects including speech feature extraction, speech modification and dynamic programming. Previously, I worked on speech text alignment which introduced me to methods in speech recognition. My master's internship with Emmanuel Vincent and François Charptier, explored audio source localisation by mobile robot. A novel approach based on grid occupancy was proposed, this work got published in IEEE ICASSP 2015 Conference. These experiences demonstrate my research skills and exposure. My MSc courses on signal processing, pattern recognition and machine learning laid the foundation for these.

While developing the JSnoori, JTrans and JSafran tools at LORIA, I gained expertise in different programming languages like Java, Python and JavaScript. At the same time I got a hands on experience in various algorithms and programming paradigms. And I got well acquainted to cluster computing environment and tools for coding within team project. Recently I was introduced to the Theano and DL4J frameworks for implementation of deep learning architectures. Similarly during MSc internship, I worked with Kinect based robot audio acquisition. These demonstrate my ability to easily adapt to new R&D environments.

The above experiences have made me well aware of the challenges of research. As an individual I also got the opportunity to develop my interpersonal communication and team skills. Working on multi-disciplinary projects involved coordination within team as well as collaboration with other teams. Giving courses to students was one of the great experience that I had, which taught me to communicate to a large group. I am confident that this will enable me to serve me well in your project.

Thank you for your time. Looking forward to discuss with you.

Sincerely,

Aghilas SIN