For our growing Automotive business, we are looking for a permanent

NLU Research Engineer (m/f)

As a NLU Research Engineer, you will work for our Automotive embedded research organization. You will develop innovative, ontology driven methods to link results from an automatic speech recognition system processing a speech query, to external data sources such as map data in a navigation system. The role can be filled in our offices in Merelbeke (Belgium), Aachen or Ulm (Germany).

Responsibilities:
• You will learn about and keep yourself up-to-date on state-of-the-art in fuzzy database search in the Nuance product lines
• You will introduce semantic web technology for formal data representations and improved interoperability in the context of navigation
• You will analyze various types of data in view of NLU, semantic modeling and interaction with (map) databases and navigation systems
• You work together in a team of experts in speech recognition and NLU
• You pay close attention to understand and adhere to the resource consumption limitations of embedded systems
• You will ensure the solutions integrate with the Nuance products as well as interface smoothly with third party data present in a multi-modal end-user product.
• You will learn and adopt the coding practices and QA processes of the software engineering team
• You will measure and report the performance, accuracy as well as resource consumption of your contributions and assist teams integrating them in their QA processes.
• You will assist teams developing solutions for specific domains in R&D or for specific customer projects in Professional Services on how to optimally integrate your contributions

Qualifications:
Number of Years of Work Experience: 0-4, or PhD in related field
• Good knowledge of machine learning techniques, and the mathematical foundations behind them
• Knowledge of computer linguistics and related concepts such as ontologies or semantic web technology
• Strong background in mathematics and statistical processing
• Excellent software development skills in C or C++, and in Python
• You are a team player and are goal-oriented
• Fluent in English (oral and written)
• Familiar with Windows and Linux environments

Preferred Skills:
• Knowledge of SQLite or other embedded database software
• Understanding of map data as used in navigation systems, specifically embedded versions
• User experience with compute farms and grid software
• Knowledge of embedded platforms is a strong plus.
• You speak at least two languages other than your mother tongue
• Good knowledge of speech recognition

Education: Master or PhD in engineering, mathematics, physics or linguistics.

Have we you caught your interest? Then we would love to hear from you!

Please send your application to our recruiter Lea Mencner (lea.mencner@nuance.com). To find out more about us and our products take a look at www.nuance.com.