**The University of KwaZulu-Natal (UKZN) is committed to meeting the objectives of Employment Equity to improve representivity within the Institution. Preference will be given to applicants from designated groups in accordance with our Employment Equity Plan.**

**RE-ADVERTISED**

**3-YEAR FIXED TERM CONTRACT**

**UNIVERSITY TEACHING AND LEARNING DIVISION**

**Computational Linguist**

**(PEROMNES GRADE 9)**

**UNIVERSTIY LANGUAGE PLANNING AND DEVELOPMENT OFFICE**

**HOWARD COLLEGE CAMPUS**

**REF NO. TL02/2018**

A Computational Linguist (CL) shall have excellent commercial programming skills, and a working knowledge of the software development life cycle. The CL will maintain and improve the existing term-management technology infrastructure at ULPDO, thus also functioning as a data steward. S/he will also design, develop and implement innovative computer software that will enhance the use of isiZulu in teaching and learning.

S/he will:

* Design, develop, implement, test, and maintain computer software.
* Maintain existing deployments of term-management technologies, including troubleshooting thereof.
* Conduct research on natural language processing, towards applications such as machine-learning systems, and spelling/grammar checking tools.
* Data stewardship - the management and oversight of ULPDO's data assets, providing users with high-quality data that is easily accessible in a consistent manner.
* General technical support within the ULPDO's office.

**Minimum Requirements**:

* Three (3) year BSc and an Honours degree in Computer Science.
* Minimum of one (1) year’ experience in natural language processing.
* Minimum of one (1) year’ experience in the use of various operating systems, including MS Windows and Linux.
* Minimum of one (1) year’ experience in text processing, machine learning, and relevant platforms.
* Minimum of one (1) year’ programming experience C++/Java, including object-oriented design pattern.

**Advantages:**

* Studying towards a Master’s degree in Computer Science.
* Demonstrable creative problem-solving skills including techniques such as design thinking.
* Experience with programming languages such as PHP, JSP, and python.
* Experience with a real-world commercial software system - analysis, design, implement, test, and maintain.

**The total remuneration package offered includes benefits.**

**The closing date for receipt of applications is 23 April 2018.**

**Applicants are required to complete the relevant application form, which is available on the Vacancies website at** [**www.ukzn.ac.za**](http://www.ukzn.ac.za)**. Completed forms must be sent to** [**Recruitment-jm@ukzn.ac.za**](mailto:Recruitment-jm@ukzn.ac.za)

**Advert Reference Number MUST be clearly stated in the subject line.**