Foto: Thomas Josek

Computational Linguist / Programmer (f/m/x)

CRC 1252 | Prominence in Language

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

We are looking for a reliable and motivated person to assist in the implementation and analysis of linguistic experiments. The Experimental Linguistics in Cologne (XLinC) Lab at the University of Cologne (headed by Professor Petra Schumacher) is equipped with EEG, eye-tracking, reaction time and speech production facilities including mobile EEG and eye-tracking devices. Our research focus lies on semantics, pragmatics and prosody, with new advances in language processing in interactive communicative situations.

The position is part of the Collaborative Research Centre 'Prominence in Language' (CRC 1252), a dynamic research environment with 20 research projects in linguistics and related fields. Our vision is to investigate prominence relations in larger discourse segments and dialogue. More information can be found here: https://sfb1252.uni-koeln.de/en/

YOUR TASKS
» Support experimental research in the XLinC Lab with a particular emphasis on data collection, processing and analysis.
» A central focus will be on processing and analysing data from interactive communication studies, which requires excellent programming skills.
» Create pipelines and workflows for data processing and analysis.
» Assist in experiment design, statistical analysis and data visualization.
» Provide training for researchers and students.

YOUR PROFILE
» Academic university degree (Master`s degree or equivalent) in a relevant subject area (linguistics, computational linguistics, psychology, cognitive science, computer science or similar); PhD desirable
» Demonstrated programming experience, for instance with any of R, Python, MATLAB, or C++; knowing Julia is an asset
» Very good knowledge of experimental research
» Excellent knowledge of descriptive and inferential statistics
» Very good English and German language skills
» Willingness to work in an interdisciplinary setting

» Very good communication skills
» Experience with the analysis of multimodal data and an interest in Open Science is a plus

WE OFFER
» A vibrant place for research in the language sciences
» Plenty of opportunities for scientific involvement
» A diverse working environment with equal opportunities
» Support in balancing work and family life
» Extensive advanced training opportunities
» Occupational health management offers
» Flexible working time models

The University of Cologne promotes equal opportunities and diversity. Women will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from all suitable candidates regardless of their gender, nationality, ethnic and social origin, religion, disability, age, sexual orientation and identity.

The position is available from 01.04.2025 on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term until 31.12.2028 . If the applicant meets the relevant wage requirements and personal qualifications, the salary will be based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications (submit a cover letter describing your qualifications and motivation for applying for this position, CV and copies of the relevant university degree(s) including transcripts as well as your dissertation and two representative samples demonstrating your programming skills) without a photo under: https://jobportal.uni-koeln.de. The reference number is TUV2501–21. The application deadline is 16.02.2025.
For further inquiries, please contact Dr Christine Röhr (application-sfb1252@uni-koeln.de) and take a look at our FAQs.

HR EXCELLENCE IN RESEARCH