



# Job vacancy

## Research Assistant - Institute of Mathematics and Computer Science 25/Sa07

University of Greifswald, 24 February 2025 | deadline: 31 March 2025

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At the University of Greifswald's **Institute of Mathematics and Computer Science**, **junior professorship for Stochastic Analysis**, in the Faculty of Mathematics and Natural Sciences, there is a job vacancy starting **for next possible appointment**, subject to the allocation of funds, for a part-time (75 %)

### Research Assistant.

The position is to be filled for a **limited period of 3 years**. Payment will be made according to pay group 13 *TV-L Wissenschaft*.

### Job Description:

- Integrate modern LLMs and rule-based reasoning in the context of Polish-German language acquisition
- Develop immersive XR environments to simulate bilingual resuscitation scenarios
- Collaborate with linguists and emergency medicine physicians

### Job Requirements:

- University degree (Master or equivalent) in computer science, mathematics, or physics
- Prior experience, or strong interest, in at least two of the following:
  - Integration, implementation, or development of deep learning models, particularly LLMs
  - Classical rule-based reasoning: automata, behavior trees, etc.
  - Integration, implementation, or development of XR experiences
  - Fluency in at least two out of these languages: German, Polish, English
  - Open source development in the areas of deep learning, XR, or games desirable

### We offer:

- Pure research with no teaching duties, as well as the opportunity to pursue a doctorate on a topic in the above-mentioned research area
- Modern XR hardware (Vision Pro, Project Moohan, Quest, etc.), with the specific choice made in consultation with the successful candidate
- Code-first development
- PC or laptop of your choice for development
- Access to the HPC cluster of the University of Greifswald (8 nodes, each with 4 A100 GPUs)
- A vibrant research environment as part of an Interreg flagship project
- Collaboration with leading experts (e.g., Charité Berlin)
- Travel funds for conferences.

This vacancy is open to all persons, irrespective of gender. Severely disabled applicants with the same qualifications will be considered with preference.

In accordance with § 68(3) PersVG M-V, the Staff Council will only be involved in staff matters of the academic or artistic staff on request.

Unfortunately, application costs (e.g. travel expenses for interviews) will not be reimbursed by the state of Mecklenburg-Vorpommern.

Please note that by submitting your application, you provide your consent pursuant to data protection law for our processing of your application data. Further information about the legal bases and the use of your data can be found [here](#).

If you have any questions, feel free to contact [joscha.diehl@uni-greifswald.de](mailto:joscha.diehl@uni-greifswald.de). More information about the project can be found at <https://diehlj.github.io/NaReT/>.

Applications comprising all usual documents must be sent with reference to the job advertisement number **25/Sa07** by **31 March 2025**, preferably via email (one PDF file), to:

**Universität Greifswald**  
**Institut für Mathematik und Informatik**  
**Herrn Jun.-Prof. Dr. Joscha Diehl**  
**Walther-Rathenau-Str. 47**  
**17489 Greifswald**

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