

Research Collaborator in Experimental Psychology Task Design and Maintenance

We invite applications for a full-time research collaborator at the University of Geneva in the framework of the NCCR Evolving Language (www.evolvinglanguage.ch). The successful candidate will be a UNIGE employee working closely with the VR-Robotic platform team of Campus Biotech (<https://hnp.fcbg.ch/home/virtual-reality/>).

We are looking for an engineer with excellent knowledge of UNITY and related programming and gamification skills to develop and maintain a database of experimental psychology tasks - in the domains of cognition, language, social behavior and emotion. She/he will be tasked to build a digital library of assessment tasks – more specifically:

1. In collaboration with supervisors, provide a database of experimental psychology tasks that is dynamically searchable and user-friendly.
2. Take the lead on documentation/guidelines which will include (i) how to run the task, (ii) how the data are retrievable, (iii) how the data are organized, (iii) other users in the NCCR that have or are using that task, and (iv) under which copyrights status the task falls, to cite a few.
3. Implement/adapt existing or novel tasks to be added in the database.
4. Connect the database structure of tasks to the data sets collected with these tasks as well as cross-register data sets which have made use of several different tasks and how these can be mined for new research questions.

Qualifications requested:

- Master or Ph.D. in computer science, digital humanities, game design, human computer interactions or related fields

The successful candidate is expected to have:

- Expertise in UNITY and in Gitlab
- Expertise with frontend software engineering (PHP, Laravel, Vite/Vue.js or equivalent)
- Familiarity with backend software engineering (MySQL, MongoDB, Firebase or equivalent)
- Excellent programming skills; ability to pick up common languages such as Javascript, Typescript, Python.
- Proven ability to communicate effectively in English; Willingness to acquire some command of French during the first 2 years.

The NCCR Evolving Language places great emphasis on teamwork and multidisciplinary

perspectives. Excellent communication and collaboration skills are essential.

Starting date: July 2024 or later; applications will be reviewed on a rolling basis.

Initial contract will be for **1 year, renewable**. The annual gross salary is typically between 96'000-125'000 Swiss Franc depending on past experiences (class 17, https://memento.unige.ch/application/files/3917/0419/3611/Echelle_Traitement_2024.pdf).

To apply, please send us the following documents as a single PDF (in English):

- a cover letter (up to one page, describing your interests, previous experiences, career goals, and motivation to apply for this position)
- a detailed CV
- the transcripts from your previous studies and/or copy of highest academic diploma
- the contact information (name, position, and e-mail address) of two references

We take gender balance and diversity seriously in our hiring decisions: applications from underrepresented groups are highly encouraged.

To apply and for further information, please contact :

- Valentina Borghesani, [Valentina\(dot\)Borghesani\(at\)unige\(dot\)ch](mailto:Valentina(dot)Borghesani(at)unige(dot)ch)
- Daphne Bavelier, [Daphne\(dot\)Bavelier\(at\)unige\(dot\)ch](mailto:Daphne(dot)Bavelier(at)unige(dot)ch)