

Student Assistant Position

Wanted - as soon as possible!

Developing a Framework for Interactive Online Experiments

We are looking for interested students for a student assistant job in an interdisciplinary project. In this project, we are investigating how the similarity of non-verbal facial cues (e.g., movements or headwear) affects social interaction. We use VR techniques to create experiments, e.g., a video conference with real-time animated avatars.



Setting:

- Our setup uses a web framework with WebGL integration to integrate Unity content into the web browser
- Mediapipe API's are incorporated to detect head positioning from webcam streams, and for further interaction with Unity content.
- The system integrates Psychopy to present stimuli to participants.

Tasks:

- Further development and maintenance of the system
- Aid in programming new experiments, assist in running online experiments
- Experiment design and configuration in the framework

Requirements:

- Good programming skills (JavaScript, TypeScript)
- Interest/ experience in working with event-driven systems (AsyncAPI) and PubSub patterns
- Interest/ experience in interdisciplinary research (computer science, psychology)

KONTAKT:

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