Institut für Flugsysteme

Universität der Bundeswehr München

The Chair of Artificial Intelligence for Dynamical Systems offers a position as a student assistant in the field of Applied AI on the following topic:

Game Development and applied Artificial Intelligence (AI) for Training of First-Aid Methods

Description

As part of the EU-funded research project "B-prepared", we are developing an AI-powered dialogue system to support civilians' training in delivering first aid during emergencies. This entails developing a Dialogue Agent that closely follows emergency call protocols using natural language processing, machine learning, and symbolic artificial intelligence. Furthermore, a simulation environment will be developed for demonstration, data collection, and validation of the agent.

We seek a motivated working student to join us and make a meaningful contribution.

Tasks

- Game Development in Unreal Engine 5 with and without Virtual Reality.
- Data Science and machine learning on speech recordings and dialogue transcripts.
- Implementation of dialogue sub-sections based on official guidelines.
- Software development for different components (Server, Database, Voice Chat, ...)
- General project contributions, including research, testing, and documentation.

Requirements

- Currently enrolled as a student at a German university.
- Must be available to commit one year of employment.
- Must be able to work on-site in Neubiberg
- Programming experience in at least one programming language (Python, C++).
- Basic knowledge of data science and potentially Machine learning.
- Interest in learning about various areas of software development.
- German language skills are an advantage but not required.

Our Offer

- Hands-on experience in AI-enabled game development.
- A collaborative research environment at the University of the Bundeswehr Munich.
- Flexible working hours (19 hours per week) to accommodate your studies.
- Salary of €13.83 / €12.82 (Master students / Bachelor students).
- Subsidized meals at the university cafeteria.
- Free bike sharing to reach the university easily from nearby train stations.
- Free access to well-equipped sports facilities.

Contact

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