

# Student Assistant @ Learning Sciences and Educational Design Technologies

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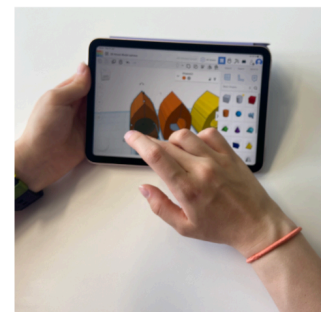
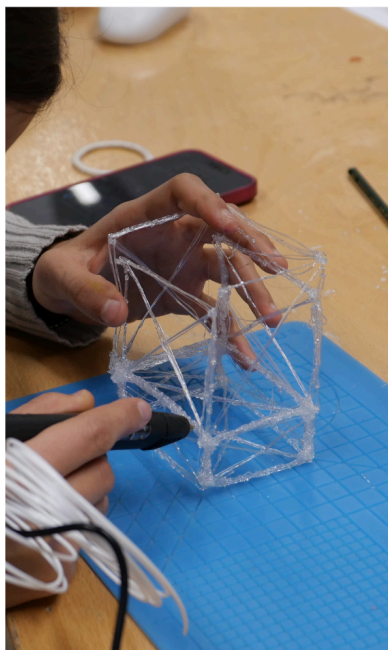
Location: Marsstraße 20-22, 80335 München

Start date: As soon as possible

Salary: 8h/week; 14,00 €/h (Bachelor students) or 15,41 €/h (Master students)

Website: <https://www.edu.sot.tum.de/en/lsdesign/welcome/>

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## About Us

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The Professorship for Learning Sciences and Educational Design Technologies at the Technical University of Munich is dedicated to exploring how creative design technologies can enhance STEM learning in both school and out-of-school settings. We focus on fostering equitable access to technological skills and the role of digital tools in education.

Within the Collaborative Research Center Transregio 277 - Additive Manufacturing in Construction (AMC; <https://amc-trr277.de/>) we have developed the AMC Edu:Lab. AMC investigates innovative 3D printing methods, materials, and designs to promote

sustainability in construction. The AMC Edu:Lab is a mobile learning space that engages youth and the public in hands-on experiences with 3D printing using clay. Through this initiative, participants develop digital design skills, learn about modern construction techniques, and explore sustainability in the built environment.

## **Responsibilities**

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The student assistant will support the implementation and further development of the AMC Edu:Lab. Specific tasks include:

- Refining and optimizing the AMC Edu:Lab's mobile learning space, including improving its usability, storage, and troubleshooting efficiency.
- Assisting in the research and prototyping of design solutions for the AMC Edu:Lab setup, including refining technology connections and simplifying maintenance processes.
- Engaging with hands-on tasks, supporting the setup of the AMC Edu:Lab for a workshop environment, and providing direct assistance during the workshops.

## **Requirements**

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- Experience in architectural design, engineering, industrial design, or workshop-based activities.
- Strong practical skills and hands-on experience with construction or making, including proficiency in workshop tools and techniques.
- Familiarity with 3D modeling and digital design tools, preferably Rhino and Grasshopper.
- Interest in education, learning sciences, and hands-on teaching activities.
- Strong problem-solving skills, especially in design optimization for usability and efficiency.
- High proficiency in English and basic proficiency in German.

## **Application**

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Please send your CV, visual design portfolio, and a motivation letter to:

Živa Simšič  
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