

The Human-Computer Interaction & Usability Unit of the ICT&S Center at the University of Salzburg invites applicants for an internship or project collaborator position related to national and international research and cooperation projects.

The HCI Unit is doing research in the areas of Contextual User Experience, Contextual User Experience Measurement, Interface Simulation & Prototyping, Human-Robot Interaction, Automotive Interfaces, Factory Interfaces, Ambient Persuasion, Ambient Assisted Living and Networked Media. The Unit is running several projects including a Christian Doppler Laboratory on "Contextual Interfaces". We are looking for:

### **Human-Computer Interaction Engineer „3D“**

#### **Tasks**

- Participation in the setup and construction of a 3D simulation lab
- Definition, design and development of a framework for 3D/2D simulations in virtual reality and mixed reality environments
- Development of interactive UbiComp prototypes
- Participation at HCI studies in a project team
- Technical support for HCI Projects

#### **Requirements**

- Experience and interest on interesting challenges in the area of software engineering, virtual reality environments and 3D simulation
- Profound knowledge of programming languages and environments (Visual Studio, C++, QT, Eclipse, Java, ...)
- Experience in 3D technologies (game engines like Delta3D, 3D modelling with 3D Studio Max, Blender, etc.) are advantageous
- Good command of the English language is essential
- Accuracy, the ability to work under pressure, flexibility and creativity
- The ability to work independently as well as in a team
- Outstanding initiative to work and learn
- Experiences in research projects and/or project work advantageous

#### **We offer**

- An position in the form of an internship or a fixed project position with the possibility to make your diploma or PhD
- National and international projects and activities
- Possibility to do high quality research work
- An interesting and upcoming field of research
- A young and interdisciplinary team
- Review of applications will begin immediately and will continue until the position is filled.
- Applicants should send their application, the curriculum vitae and statement of research interests as a PDF attachment, to [jobs@hciunit.org](mailto:jobs@hciunit.org)

Further information on the position could be obtained from:

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