**Herbert Wertheim College of Engineering**
Computer & Information Science & Engineering

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Please pass along to anyone you think would be interested.

**Post-Doctoral Researcher**
Member of: Virtual Experiences Research Group (VERG) at the University of Florida
Reports to: Professor Benjamin Lok

We are announcing a virtual reality/human-computer interaction postdoctoral researcher position at the University of Florida (Gainesville, FL, USA). The postdoctoral researcher will work with Professor Benjamin Lok in the Virtual Experiences Research Group (ufverg.com).

**Job Summary:**
The postdoctoral researcher contributes to the Virtual Experiences Research Group's success by:
- Applying their understanding of virtual reality technologies to develop user experiences involving virtual human characters in healthcare applications to achieve research grant goals.
- Conducting user studies to evaluate the efficacy of virtual human systems
- Mentoring undergraduate and graduate students on user study design, scientific writing
- Leading conference, journal, and grant proposal submissions

**Job Tasks:**
*Developing virtual human applications (50%)*
- Primarily supporting the aims of a NIH grant to develop virtual human experiences delivered on mobile platforms to help reduce suicide for at risk populations
- Primarily supporting the aims of a NSF grant to develop virtual human experiences to train building construction students on how to manage job sites and communicate with teams
- Secondarily supporting the aims of other grants involving virtual human experiences for training and delivering health care

*Mentoring students (25%)*
- On a weekly basis, meet graduate and undergraduate students of VERG to review writing, discuss ideas, and academic mentorship.
- Provide feedback on study designs, research ideas, and scientific writing review

*Submit publications and funding proposals (25%)*
- As primary author, submit at least one major conference submission based on the research conducted as part of the grants being supported.
- As primary author, submit at least one major journal submission based on the research conducted as part of the grants being supported.
- Through building a collaboration with researchers across campus, submit at least one federal funding agency proposal to support further development of research ideas.

*The Foundation for The Gator Nation*

Optional opportunities for teaching undergraduate and graduate courses are available based on interest.

**Education and Experience:**
*Required*
- Completed or about to complete a doctoral degree in Computer Science or equivalent degree
- Fluent in English (frequent meetings with interdisciplinary collaborators and students requires excellent communication skills)
- Research focus includes at least one of the following areas:
    - Virtual or Augmented Reality
    - Human-Computer Interaction
    - Computer Graphics
- A strong record of research publications at an international level
- Experience in conducting user studies and interdisciplinary collaboration

*Preferred*
- Experience with Unity, C#, JavaScript
- Machine learning, building dialogue systems

**Benefits:**
- Weekly mentorship towards a research career. Alumni from the Virtual Experience Research Group are in academic positions at major universities, co-founders of startups, and employees at fortune 500 companies.
- The University of Florida is a top 10 US public university with 16 colleges and thousands of faculty and opportunities for collaboration. Gainesville is an affordable and vibrant town (population 130,000+) with significant cultural, sports, and entertainment opportunities. The CISE department has over 50 tenure-track faculty members and offers degrees in computer science and human-centered computing.
- Position can begin any time after October 1st, 2018. Flexibility in starting date.
- Health insurance through the University of Florida.
- Salary is commensurate with experience and fit with research projects

**Timeframe:**
- Funds are available for one year, with an opportunity to renew for a second year based on performance.
- Applicants are expected to participate full-time for a minimum one year.
- Deadlines: Open until filled (please apply by September 25th to ensure consideration)

**How to apply:**
- Send your detailed CV (including list of publications, a cover interest explaining your fit to our group's work, and name of references) to Professor Benjamin Lok (lok@ufl.edu)