

# Raghavi Sakpal

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CONTACT INFORMATION	Institute of Technology University of Washington, Tacoma	mobile: (704) 497-6256 e-mail: rsakpal@uw.edu
EDUCATION	<b>Ph.D in Computer Science</b> , <i>University of North Carolina, Charlotte</i> <i>Thesis: Creating Automated Virtual Humans</i> <i>Advisor: Dr. Dale-Marie Wilson</i>	December 2015
	<b>MS in Computer Science</b> , <i>University of North Carolina, Charlotte</i>	December 2015
	<b>B.E in Computer Engineering</b> , <i>University of Pune, India</i>	August 2008
TEACHING EXPERIENCE	<b>Full Time Faculty</b> , <i>University of Washington, Tacoma</i>	Present
	<b>Lecturer</b> , <i>University of North Carolina, Charlotte</i>	Fall 2014, Spring 2015
	<b>Lecturer</b> , <i>University of North Carolina, Charlotte</i>	Summer 2012, Summer I 2011
RESEARCH EXPERIENCE	<b>Research Assistant</b> , <i>University of North Carolina, Charlotte</i> <i>Project: Creating Virtual Patients portraying mild TBI as a Training Tool for Screening Traumatic Brain Injury</i> <i>Funded By: Polytrauma Clinic at W. G. (Bill) Hefner VA Medical Center - Salisbury, NC.</i>	Summer 2013
	<b>Research Mentor</b> , <i>University of North Carolina, Charlotte</i> <i>Project: Create Virtual Agents to Improve Learning Outcomes in Young Children with Learning Disabilities.</i> <i>Funded By: Summer REU program funded by National Science Foundation (NSF).</i>	Summer 2010
	<b>Graduate Assistant</b> , <i>University of North Carolina, Charlotte</i> <i>Project: Intelligent Tutoring Systems.</i>	Fall 2009
PUBLICATIONS	Brearily, T.W., <b>Sakpal, R.</b> , Wilson, D., Taber, K.H. (2016, March). “ <i>Development of a mTBI virtual standardized patient: Enhancing diagnostic reliability through interactive training</i> ”. Poster accepted for the annual University of North Carolina-Charlotte Military Culture conference, Charlotte, NC.	
	<b>Raghavi Sakpal</b> , Kieran-Jordine, Dale-Marie Wilson. <i>Emotion Generation for Virtual Agents based on PMC (Personality-Mood-Culture) Cognitive Rules</i> , 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015), July 2015, Accepted	
	Mohammed Ahmed, <b>Raghavi Sakpal</b> , Dale-Marie Wilson, David Cifu, Joel Scholten, Chloe A. Bomberger, Robin A. Hurley, Christine Elnitsky, Katherine H. Taber. (2014) “ <i>Creating a Virtual Mild TBI Patient: Conceptual Design and Initial Database Development</i> ”, American Neuropsychiatric Association 2014 (ANPA).	
	Jordine, K., Wilson, D, and <b>Sakpal, R.</b> (2014) “ <i>Logic Analyzer of Computer Programs using Relational Model</i> ”, HCI International 2014. (Accepted).	
	<b>Raghavi Sakpal.</b> (2012) “ <i>Virtual patients to teach cultural competency</i> ”, In Proceedings of the 14th ACM international conference on Multimodal interaction (ICMI '12). ACM, New York, NY, USA,349-352. DOI=10.1145/2388676.2388754 <a href="http://doi.acm.org/10.1145/2388676.2388754">http://doi.acm.org/10.1145/2388676.2388754</a> .	
	Jensen, A. S., Wilson, Dale-Marie, Jordine, K. and <b>Sakpal, R.</b> (2012) “ <i>Detecting Elements of Culture Bias in Student Perceptions of Embodied Pedagogical Agents</i> ”, World Conference on Educational Media and Technology, 26 - 29 June 2012.	

Jordine, K., Wilson, Dale-Marie, Jensen, A. and **Sakpal, R.** (2012) “*Embodied Conversational Agents in Online Collaborative Learning Environments*”, World Conference on Educational Media and Technology, 26 - 29 June 2012.

Jensen, A. S., Jordine, K., **Sakpal, R.** and Wilson, Dale-Marie. (2012) “*Using Embodied Pedagogical Agents and Direct Instruction to Improve Learning Outcomes for Young Children with Learning Disabilities*”, Global Conference on Technology, Innovation, Media & Education, 7 February 2012.

**Sakpal, R.** and Wilson, D.M. “*Can Culture Translate to the Virtual World?*”, HCI International 2011 - Communications in Computer and Information Science, 2011, Volume 173, Part III, 242-246, DOI: 10.1007/978-3-642-22098-2\_49.

Jensen, A. S., Jordine, K., **Sakpal, R.** and Wilson, Dale-Marie. (2011) “*Using Embodied Pedagogical Agents to Augment Learning and Cognition in Young Children with Special Needs*”, ACM CHI Conference on Human Factors in Computing Systems - Child Computer Interaction Workshop, 7 May 2011.

**Sakpal, R.**, Wilson, D.M. “*Virtual game show host: Dr. Chestr*”, Virtual Reality Conference (VR), 2011 IEEE , vol., no., pp.237-238, 19-23 March 2011 DOI: 10.1109/VR.2011.5759486.

Dale-Marie Wilson, and **Raghavi Sakpal**, “*Dr. Chestr: Computerized Host Encouraging Students to Review*” IVA 2010.

HONORS &  
AWARDS

**Outstanding Teaching Assistant Award**, College of Computing & Informatics, University of North Carolina, at Charlotte 2014

**Grant** from VA Polytrauma and Blast-Related Injuries Quality Enhancement Research Initiative (PT/BRI QUERI) 2013

**Scholarship** from International Conference on Multimodal Interfaces for Doctoral Consortium 2012

**Scholarship** to attend Women in Computing Research (CRA-W) 2012

**Best Poster** in Computer Science, Graduate Research Fair, UNC Charlotte. 2010

SERVICES

**Secretary:** College of Computing and Informatics Graduate Students 2013 - 2014

**Member:** IEEE, IEEE Young Professionals, IEEE Women in Engineering Present

**Member:** Women in Computing Research (CRA-W) Present