

Stephanie Carnell

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Work Experience

- 2014 - 2020 Graduate Research Assistant, University of Florida
Sum. 2018 PhD Research Intern, Massachusetts Institute of Technology Lincoln Laboratory
Sum. 2017 User Experience (UX) Research Intern, Facebook

Education

- 2020 PhD in Human-Centered Computing (expected), University of Florida
• Advisor: Dr. Benjamin Lok
• Committee: Dr. Kristy Boyer, Dr. Kejun Huang, Dr. Pavlo Antonenko
2019 MS in Computer Science, University of Florida
2014 BA in Physics with minors in Mathematics and Computer Science, Samford University
• Advisors: Dr. Bryan Johnson, Dr. Alan Hargrave, Dr. Sonya Stanley, Dr. Stephen Donaldson

Honors & awards

- 2019 Grace Hopper Scholar, Anita Borg Institute
2014 - 2019 Graduate School Fellowship, UF Graduate School
2018 Gartner Group Info Tech Fund Scholarship, UF Department of Computer and Information Sciences and Engineering
2018 Intern Innovative Idea Challenge Winner, MIT Lincoln Laboratory
2017 Grace Hopper Conference Scholarship, Intel
2016 Grace Hopper Scholar, Anita Borg Institute
2014 - 2015 Hohenstein Fellowship, Phi Kappa Phi
2014 Board of Education Summer Fellowship, UF Office of Graduate Minority Programs
2014 Velma Wright Irons Award for Second Highest GPA in Graduating Class, Samford University
2014 Who's Who Among Students in American Universities and Colleges
2014 Physics Department Scholarship, Samford University Physics Department
2012 - 2014 Minority Scholarship, American Physical Society
2012 Witherspoon Institute attendee, Princeton University
2010 - 2013 University Fellow, Samford University

Publications & talks

PEER-REVIEWED JOURNAL ARTICLES

- 2020 Miles, A., Hayden, S., Halan, S., **Carnell, S.**, and Lok, B. (2020). "What do speech pathology students gain from virtual patient interviewing? A WHO ICF analysis." *BMJ Simulation and Technology Enhanced Learning*.
- 2019 Hirsh, A., Miller M., Hollingshead, N., Anastas, T., **Carnell, S.**, Lok, B., Chu, C., Zhang, Y., Robinson, M., & Ashburn-Nardo, L. (2019). "A randomized controlled trial testing a virtual perspective-taking intervention to reduce race and SES disparities in pain care." *Pain*. **Editor's Choice**.

REFEREED CONFERENCE PROCEEDINGS

- 2019 **Carnell, S.**, Lok, B., James, M., & Su, J. (2019, March). "Predicting Student Success in Communication Skills Learning Scenarios with Virtual Humans." *International Conference on Learning Analytics and Knowledge*, pg. 436-440. ACM.
- 2018 **Carnell, S.** & Lok, B. (2018, November). "The Effects of Author Identity on Dialogue for Virtual Human Communication Skills Training." *Intelligent Virtual Agents*, pg. 65-70. ACM.
- 2015 **Carnell, S.**, Halan, S., Crary, M., Madhavan, A., & Lok, B. (2015, August). "Adapting Virtual Patient Interviews for Interviewing Skills Training of Novice Healthcare Students." *Intelligent Virtual Agents*, pg. 50-59. Springer International Publishing.

PRESENTATIONS AND POSTERS

- 2018 **Carnell, S.** and Zalake, M. (2018). "Virtual Humans, Real Changes." *Digital Orlando*. Oral Presentation, Orlando, USA, April 10.
- 2018 **Carnell, S.** (2018). "Virtual Reality for the Social Good." *Florida Society of Social Sciences: Conference of the Social Sciences*. Workshop Presentation, Gainesville, USA, April 14.
- 2018 Anastas, T., Miller, M., Hollingshead, N., **Carnell, S.**, Lok, B., & Hirsh, A. (2018). "Providers' implicit and explicit attitudes about race and socioeconomic status influence their pain treatment recommendations." *17th World Congress on Pain*. Poster, Boston, MA, September 12-16.
- 2018 Clark, E., Anastas, T., Miller, M., Hollingshead, N., **Carnell, S.**, Lok, B., & Hirsh, A. (2018). "Compassion for patients mediates racial and socioeconomic differences in providers' pain treatment decisions." *17th World Congress on Pain*. Poster, Boston, MA, September 12-16.
- 2018 **Carnell, S.**, & Lok, B (2018). "Observations on Social Good Applications Created by New Developers." *IEEE Virtual Reality*. Workshop Presentation, Reutlingen, Germany, March 18-22.
- 2017 Ward, E.C., Rumbach, A., Hill, A.E., Nund, R., Goodman, S., **Carnell, S.**, & Lok, B., (2017). "Using different Simulation Learning Activities for Clinical Skill Development in Dysphagia: What works?" *American Speech and Hearing Association*. Oral Presentation, Los Angeles, USA, November 9-11.

INVITED TALKS

- 2019 Lok, B., **Carnell, S.**, and Putnam, S. “Virtual Reality for the Social Good.” *The Learning Technology Consortium* Gainesville, USA, October 24.
- 2018 “Virtual Reality for the Social Good.” *University of Florida Computers and Modern Society Course*. Gainesville, USA, October 30.
- 2018 “Virtual Humans.” *Massachusetts Institute of Technology Lincoln Laboratory*. Lexington, USA. July.

DISSERTATION

- 2020 **Carnell, S.** (2020). Using Virtual Human Scenarios to Study and Improve Communication Skills Learners’ Message Production. Ph.D. Dissertation, Computer and Information Sciences and Engineering Department, University of Florida.

Teaching

UNIVERSITY OF FLORIDA

- Fall 2017 Virtual Reality for the Social Good, Teaching Assistant
Spring 2017 Human-Computer Interaction, Teaching Assistant
Fall 2014 User Experience Design, Teaching Assistant

SAMFORD UNIVERSITY

- 2013 - 2014 Mathematics department calculus and statistics tutor
2013 - 2014 Communication Resource Center writing tutor
2012 - 2013 Physics Department lab assistant
2011 - 2013 University Fellows Great Ideas Summer Institute preceptor
Fall 2012 Scientific Inquiry course, Preceptor/Teaching Assistant

Service

DIVERSITY, ACCESSIBILITY, AND INCLUSION CHAIR

- 2021 IEEE Virtual Reality

WORKSHOP FACILITATION

- 2020 Zalake, M., **Carnell, S.**, and Gomes de Siqueira, A. (2020). “Co-VAR: Collaborations with Domain Experts for Virtual Agent Research.” *ACM International Conference on Intelligent Virtual Agents*. Online, October 18.

JOURNAL REVIEWS

- Expert Systems with Applications
Human-Computer Interaction
Frontiers in Public Health
International Journal of Human-Computer Studies

CONFERENCE REVIEWS

Intelligent Virtual Agents
Symposium on Applied Perception
Grace Hopper Celebration of Women in Computing

APPLICATION REVIEWS

Samford University Fellows Program Admissions

Affiliations

2019 - pres. User Experience Professional Association (UXPA)
2019 - pres. American Indian Science and Engineering Society (AISES)
2019 - pres. ACM Special Interest Group in Computer-Human Interaction (SIGCHI)
2019 - pres. Association of Computing Machinery (ACM)
2017 - pres. Society for Advancing Chicanos/Hispanics & Native Americans in Science (SACNAS)
2015 - 2017 Graduate Women in CS Lean In Circle
2013 - 2015 Phi Kappa Phi
2012 - 2014 Society of Physics Students
2011 - 2014 Alpha Omicron Pi