James M. Brown

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EDUCATION

2013-present **Doctor of Philosophy**, **Psychology**, Expected May 2018
Virginia Tech, Blacksburg VA
Advisor: Dr. Anthony Cate
Concentration: Neuroscience and Biological Psychology

December 2015 **Master of Science**, **Psychology**
Virginia Tech, Blacksburg VA
Advisor: Dr. Anthony Cate
Concentration: Neuroscience and Biological Psychology

May 2011 **Bachelor of Arts**, **Psychology**
Coastal Carolina University, Myrtle Beach SC
Advisor: Dr. Joane Piroch

RESEARCH & RELATED EXPERIENCE

2013-present **Graduate Research Assistant**, Virginia Tech Visual Neuroscience Lab
Virginia Tech, Blacksburg VA

2013-present **Graduate Teaching Assistant**, Virginia Tech Department of Psychology
Virginia Tech, Blacksburg VA

August 2016-present **Special Volunteer**, National Institutes of Mental Health (NIMH)
NIH/NIMH, Bethesda MD

June 2016 **Research Intern**, National Institutes of Mental Health (NIMH)
NIH/NIMH, Bethesda MD

PUBLICATIONS

Brown, J. M. & Cate, A. D. (Under review). L*arge Visual Displays Augment Low-Level Perception During 2D Spatial Tasks*. IEEE Transactions on Visualization and Computer Graphics

Brown, J. M. (2016). *Time Perception in College Students as a Function of Anxiety*, American Journal of Undergraduate Research.

CONFERENCE PRESENTATIONS

Brown, J. M. & Cate, A. D. (November, 2014). *Effects of physical size on visual contour integration and global-local judgments of hierarchical forms*. Poster presented at the Society for Neuroscience conference, Washington, DC

Cate, A. D., **Brown, J. M.**, & Roldan, S. M. (November, 2014). *Human cortical visual pathways for the perception of figural shapes that violate Gestalt principles: fMRI of 3D concave shape from stereopsis.* Poster presented at the Society for Neuroscience conference, Washington, DC

Brown, J. M. & Cate, A. D. (April, 2016). *Physical Size and Spatiotopic Cues Modulate Inverted Face Representation*. Poster presented at the Society for Neuroscience conference, Washington, DC

Gonzalez-Castillo, J., Topolski, N., **Brown, J. M.**, Handwerker, D. A., Bandettini (Submitted). *Spatial extent of task induced connectivity changes and its influence on whole-brain cognitive state decoding.*

CERTIFICATIONS & SKILLS

April 2016 — **Safe Zone**, Intercultural Engagement Center
Virginia Tech, Blacksburg VA

Fall 2014 — **Certified MRI Operator**, Human Neuroimaging Lab
Virginia Tech Carilion Institute, Roanoke VA

Scientific Programming: Python, MATLAB, R, Shell scripting, Linux, SPSS, SAS

Graphics Software: Blender, Inkscape, GIMP, Adobe Photoshop

Neuroimaging Software: SPM, AFNI, FSL, FreeSurfer

MEMBERSHIPS & AFFILIATIONS

Fall 2016-present — **Graduate Student Representative**, Virginia Tech Department of Psychology
Virginia Tech, Blacksburg VA

Fall 2013-present — **Collaborator**, The Center for Human-Computer Interaction
Virginia Tech, Blacksburg VA

MENTORING

Fall 2015 **NIH-Bridges to the Baccalaureate Program Mentor**, NIH
Mentor Coodinator: Dr. Stephanie Lewis
Virginia Tech, Blacksburg VA

2011-2014 **Life Skills Trainer**, NeuroRestorative
Supervisor: Ivan Velickovic
Virginia Tech, Blacksburg VA

AWARDS & HONORS

Fall 2016-present **NIH Summer Internship: Intramural Research Training Award**
NIH/NIMH, Bethesda MD