

1. Name, Academic Department, Advisors

Branden Jace Bryan
Ph.D. Student (expected graduation date: May 2017)
Cognitive Science Program (Home Department)
Advisor: John K. Kruschke, Ph.D.
Learning Sciences Program (Second Major)
Advisor: Joshua Danish, Ph.D.

2. Contact Information

Address: 2451 E. 10th St., Apt. 218,
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3. Education

Undergraduate: B.A. Biology, Philosophy; Cornell University; 2007-2011
Study Abroad: St. Anne's College, Oxford University
Psychology/Physiology/Philosophy Program
2009-2010

4. Awards

Indiana University:
College of Arts and Sciences Graduate Fellowship, 2011-2012
Cognitive Science Supplemental Research Fellowship, 2012
Cognitive Science Supplemental Research Fellowship, 2016
National Institutes of Health (NIH):
Developmental Training Grant in Integrative Developmental Process, 2012 -
2014

5. Teaching and Research Interests

- Cognitive theories of learning
- Low cost improvements to traditional lecture-based instruction
- Causal factors underlying adult attention spans
- Interleaved and spaced repetition as solutions for student memory decay
- Design of mathematical graphs for efficient perception and comprehension

6. Teaching Experience

Fall 2014 **Teaching Assistant**, Indiana University Bloomington
Course title: *Philosophical Foundations of Cognitive Science* (COGS Q240)

- Gave two of the main course lectures
- Led weekly Socratic style discussion sections
- Provide guidance to students on difficult topics during off hours
- Graded all student work including several term papers as well as overall student participation in main lectures and weekly discussions

Spring 2015 **Teaching Assistant**, Indiana University Bloomington
Course title: *Cognitive Science: Brain and cognition* (COGS Q301)

- Provide guidance to students on difficult topics during off hours

- Proctored exams and otherwise graded all student work including several term papers as well as overall student participation in main lectures and weekly discussions
- Fall 2015 **Teaching Assistant**, Indiana University Bloomington
 Course title: *Philosophical Foundations of Cognitive Science* (COGS Q240)
- Helped design syllabus including main course readings and assignments
 - Assisted in design of pedagogy for main lectures throughout semester
 - Led weekly Socratic style discussion sections
 - Graded all student work including several term papers as well as overall student participation in main lectures and weekly discussions
- Spring 2016 **Main Instructor**, Indiana University Bloomington
 Course title: *Philosophical Foundations of Cognitive Science* (COGS Q240)
- Q240 is a core course required for all Cognitive Science undergraduate majors and had not been traditionally taught by a graduate student
 - Redesigned syllabus based on past course experience
 - Gave two lectures a week usually incorporating group work and class discussion
 - Mentored an undergraduate course assistant who lead a weekly discussion section herself
 - Graded all student work including six major essays and multiple quizzes and smaller assignments

7. Publications

Maltese, A., Danish, J.A., Bouldin, R., Harsh, J.A., Bryan, B.J. (2015). What are students doing during lecture? Evidence from new technologies to capture student activity. *International Journal of Research & Method in Education*.

8. Conference Presentations

AAAS:

Bryan, B., Maltese, A. V., Danish, J., Liao, W., Bouldin, R. & Harsh, J. (2013). What Are Students Doing While You Are Trying to Teach? Poster presented at AAAS Annual Meeting, Boston, MA.

9. Lab Experience

Undergraduate: Research Assistant in Cognitive Neuroscience Lab, Cornell University

Director: Morten H. Christiansen, Ph.D.

Lab Website: <http://cni.psych.cornell.edu/index.html>

Graduate:

Researcher in Kruschke Lab, Indiana University

Director: John K. Kruschke, Ph.D.

Researcher in Danish Lab, Indiana University

Director: Joshua Danish, Ph.D.

10. Extracurricular Activities

Graduate: Adult literacy tutor at Monroe County public Library

Undergraduate: Editor of LOGOS: Cornell Undergraduate Philosophy Journal, Certified Peer Counselor with undergraduate counseling program EARS (Empathy, Assistance, and Referral Service).