

ALEXANDER PATRICK BURGOYNE

Department of Psychology, Michigan State University

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EDUCATION

- 2015-present Master's Degree (2017, expected)
Michigan State University, Department of Psychology
Cognition and Cognitive Neuroscience Doctoral Program
Advisor: D. Zach Hambrick, Ph.D.
- 2014 Bachelor of Arts in Psychology
Michigan State University, College of Social Science

HONORS AND AWARDS

- 2015 Rasmussen Fellowship Award, Michigan State University
- 2014 Graduated with Honors, Michigan State University
- 2010, 2011, 2013 Dean's List, Michigan State University

RESEARCH INTERESTS

Expertise and skill acquisition, Individual differences, Working memory and cognitive control, Perseverance and grit, Implicit theories of ability, Creativity and improvisation, Task switching and Multitasking, Longitudinal predictors of competency.

PUBLICATIONS

- Burgoyne, A. P.**, Sala, G., Gobet, F., Macnamara, B. N., Campitelli, G., Hambrick, D. Z. (2016). The Relationship Between Cognitive Ability and Chess Skill: A Comprehensive Meta-Analysis. *Intelligence*, 59, 72-83.

Sala, G., **Burgoyne, A. P.**, Macnamara, B. N., Hambrick, D. Z., Campitelli, G., Gobet, F. (in press) Checking the “Academic Selection” Argument. Chess Players Outperform Non-Chess Players in Cognitive Skills Related to Intelligence: A Meta-Analysis. *Intelligence*.

Sisk, V., **Burgoyne, A. P.**, Macnamara, B. N., Sun, J., Butler, J. L., Macnamara, B. N. (under review) How Important is a Growth Mindset to Academic Achievement? Two Meta-analyses.

POPULAR WRITING

Hambrick, D. Z., **Burgoyne, A. P.** (2016, September 18). The Difference Between Rationality and Intelligence, *New York Times*, p. SR12.

Burgoyne, A. P., Hambrick, D. Z. (2017, January 12). Flagging Fake News or Bad Sources Won't Work, *Slate*. Retrieved from http://www.slate.com/articles/health_and_science/science/2017/01/educating_people_about_sources_won_t_stop_fake_news.html

ACADEMIC POSITIONS

2015-present Graduate Research Assistant
Expertise Laboratory
Michigan State University, Department of Psychology
Supervisor: D. Zach Hambrick, Ph.D.

Spring 2016 Teaching Assistant
Psychology 402(W): Sensation and Perception
Michigan State University, Department of Psychology
Professor: Mark Becker, Ph.D.

Fall 2015 Teaching Assistant
Psychology 244: Developmental Psychology: Infancy through
Childhood
Michigan State University, Department of Psychology
Professor: Lauren J. Harris, Ph.D.

- 2014-2015 Professional Aide
Michigan Twins Project, Michigan State University
Principal Investigators: Kelly Klump, Ph.D., Alex Burt, Ph.D.
- Spring 2013 Teaching Assistant
Psychology 200: Introduction to Cognitive Psychology
Michigan State University, Department of Psychology
Professor: Mark Becker, Ph.D.
- 2012-2013 Research Assistant
Michigan Twins Project, Michigan State University
Principal Investigators: Kelly Klump, Ph.D., Alex Burt, Ph.D.

PRESENTATIONS AND POSTERS

- 2016 “Acquiring Skill in Music”
Midwest Psychological Association Conference
Chicago, IL, May 5-7, 2016 (*poster*)
- 2016 “The Relationship Between Intelligence and Expertise in Chess:
A Meta-Analysis”
Midwest Psychological Association Conference
Chicago, IL, May 5-7, 2016 (*presentation*)
- 2016 “Acquiring Skill in Music: Does Mindset Matter?”
Cognitive Science Forum, Michigan State University
East Lansing, MI, April 22, 2016 (*presentation*)
- 2016 “Strategies for Scientific Writing”
Psychology 402(W): Sensation and Perception
Michigan State University, Department of Psychology
East Lansing, MI, March 16, 2016 (*presentation and workshop*)
- 2016 “The Cognitive Benefits of Music Training”
Seminar in Psychology: Psychology and the Arts
Michigan State University, Department of Psychology
East Lansing, MI, February 4, 2016 (*presentation*)
- 2016 “The Effect of Distractions on Everyday Tasks”

Psychology 802: Basic Cognitive Processes
Michigan State University, Department of Psychology
East Lansing, MI, February 4, 2016 (*presentation*)

SOFTWARE PROGRAMS

Automated Reading Comprehension Test (E-Prime v1.x and v2.x compatible)
Automated Pattern Comparison Test (E-Prime v1.x and v2.x compatible)
Typing Speed (E-Prime v2.x compatible)

PROFESSIONAL DEVELOPMENT

Spring 2017	Leadership Academy at Michigan State University
Summer 2016	Certification in College Teaching Institute at Michigan State University
Summer 2016	Introductory & Intermediate Structural Equation Modeling Workshop
Summer 2015	Teaching Assistant Institute Program at Michigan State University

SKILLS

Statistical analysis (*SPSS, R, Excel, G*Power*)
Experiment design and presentation (*E-Prime*)
Research laboratory management
MIDI data extraction and analysis (*Anvil Studio*)
Video & Audio Editing (*Final Cut Pro, Audacity*)
Graphic design (*Adobe Photoshop, Illustrator*)
Web design (*Adobe Dreamweaver*)
Programming (*HTML, E-Basic*)

PROFESSIONAL MEMBERSHIP

2017 - present	MSU ArtFest Board of Directors
2015 - present	Midwest Psychological Association Member
2015 - present	American Psychological Association Member