

Brent Pitchford

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RESEARCH EXPERIENCE

- 2023-** **Postdoctoral Researcher**
Supervisor: Dr. Heiða María Sigurðardóttir
Icelandic Vision Lab
University of Iceland, Reykjavik
Department of Psychology
- 2016-2018** **Graduate Student and Research Assistant**
Supervisor: Dr. Karen Arnell
Psychology Attention Lab
Brock University, St. Catharines, ON
Department of Psychology
- 2015-2016** **Independent Thesis Study and Research Assistant**
Supervisor: Dr. John Logan
The Centre for Applied Cognitive Research
Carleton University, Ottawa, ON
Department of Psychology
- 2014** **Research Assistant**
Supervisor: Dr. John Zelenski
Happiness Laboratory
Carleton University, Ottawa, ON
Department of Psychology

FORMAL EDUCATION

- 2018-2023** **PhD, Behavioural and Cognitive Neuroscience**
Brock University
Thesis: *The influence of reward associations in the facilitation and impairment of attention and conflict processing*
Supervisor: Dr. Karen Arnell
- 2016-2018** **MA, Behavioural and Cognitive Neuroscience**

Brock University
Thesis: *Self-Control and its Influence on Global/Local Processing: An Investigation of the Role of Frontal Alpha Asymmetry and Dispositional Approach Tendencies*
Supervisor: Dr. Karen Arnell

2012-2016 **BSc, Psychology**
Carleton University, High Distinction
Thesis: *Uh, Um... The Distinctive Usage of Filled Pauses in Psychopathic Young Offenders' Speech*
Supervisor: Dr. John Logan

RESEARCH FELLOWSHIPS AND SCHOLARSHIPS

2019-2022 **Alexander Graham Bell Canada Graduate Scholarship (Doctoral)**
National Science and Engineering Research Council (\$105,000)

2019-2020 **Ontario Graduate Scholarship**
2017-2018 Government of Ontario (\$15,000; Declined to accept NSERC award)

2018-2019 **Ontario Graduate Scholarship**
Government of Ontario (\$15,000)

2017-2018 **Alexander Graham Bell - Canada Graduate Scholarship (Master's)**
National Science and Engineering Research Council (\$17,500)

2017 **Spring Research Fellowship**
Department of Graduate Studies (\$4000)

2016-2017 **Research Fellowship**
Faculty of Graduate Studies (\$2000)

2016-2017 **Research Fellowship**
Attention Lab (\$2000)

2016-2017 **Graduate Fellowship**
Attention Lab (\$5000)

HONOURS AND AWARDS

2021 **Library Open Access Publishing Fund**
Brock University Library (\$1500)

2018 **Certificate of Academic Excellence 2018 – Master's Thesis**
Canadian Psychological Association

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| 2018-2019 | Entrance Scholarship (PHD) Department of Graduate Studies (\$2000) |
| 2017-2018 | Excellence Scholarship Department of Graduate Studies (\$5000) |
| 2016-2017 | Entrance Scholarship (MA) Department of Graduate Studies (\$2000) |
| 2012-2015 | Entrance Scholarship Carleton University (\$4000) |
| 2013-2016 | Deans' Honour List Carleton University |

PEER-REVIEWED PUBLICATIONS

- Pitchford, B., & Arnell, K. M. (2022).** Evaluating individual differences in rewarded Stroop performance: Reliability and associations with self-report measures. *Psychological Research*, 1-18.
- Pitchford, B. & Arnell, K.M. (2021).** Individual differences in attentional breadth changes over time: An event-related potential investigation. *Frontiers in Psychology*, 12, 1-12.
- Pitchford, B. & Arnell, K.M. (2019).** Resting EEG in alpha and beta bands predicts individual differences in attentional breadth. *Consciousness and Cognition*, 75, 102803.
- Pitchford, B. & Arnell, K.M. (2019).** Self-control and its influence on global/local processing: An investigation of the role of frontal alpha asymmetry and dispositional approach tendencies. *Attention, Perception, & Psychophysics*, 81(1), 173-187.
- Pitchford, B. & Arnell, K.M. (2019).** Speech of young offenders as a function of their psychopathic tendencies. *Canadian Journal of Experimental Psychology*, 73(3), 193-201.

MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

- Pitchford, B. & Arnell, K.M. (in prep).** An examination of how reward associations differentially facilitate and impair Stroop performance. *Attention, Perception, & Psychophysics*. [Download link](#)
- Pitchford, B. & Arnell, K. M. (in prep). Reinforcement of congruent Stroop stimuli partially explains impairment by reward related words.

CONFERENCE PRESENTATIONS

- Pitchford, B., & Arnell, K. M.** (2023, February). *Impairment of Stroop Performance by Reward Associations Requires Congruent Trials*. Poster presented at Lake Ontario Visionary Establishment (LOVE) annual meeting, Niagara Falls, Ontario.
- Pitchford, B., Baker, K. A., Mondloch, C. J., & Arnell, K. M.** (2022, November). *Does the other-race effect require attention? An investigation using the attentional blink*. Poster presented at Object Perception, visual Attention, and visual Memory (OPAM) annual meeting, Boston, Massachusetts.
- Pitchford, B. & Arnell, K. M.** (2022, May). *The influence of large and small reward associations on Stroop performance in rewarded and nonrewarded contexts*. Poster presented at Vision Sciences Society (VSS), St. Pete Beach, Florida.
- Pitchford, B. & Arnell, K. M.** (2021, June). *Individual differences in how reward associations affect Stroop performance*. Talk presented at Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS), Virtual Event.
- Pitchford, B. & Arnell, K. M.** (2019, September). *High approach-motivated versus low approach-motivated positive affect following self-control: The relation between ERPs and attentional breadth*. Poster presented at Society of Psychophysiological Research (SPR) annual meeting, Washington, D.C.
- Pitchford, B. & Arnell, K. M.** (2018, November). *Resting EEG in alpha and beta bands predicts individual differences in global/local processing*. Poster presented at Object Perception, visual Attention, and visual Memory (OPAM) annual meeting, New Orleans, Louisiana.
- Pitchford, B. & Arnell, K. M.** (2018, October). *Investigating changes in attentional breadth following self-control: An ERP study*. Poster presented at Society of Psychophysiological Research (SPR) annual meeting, Quebec City, Quebec.
- Pitchford, B. & Arnell, K. M.** (2018, May). *Approach motivation and narrowed attentional breadth following self-control: Investigating the role of asymmetrical frontal activity*. Poster presented at Vision Sciences Society (VSS), St. Pete Beach, Florida.
- Pitchford, B. & Arnell, K. M.** (2017, May). *Executive control processes can narrow attention for those with high approach tendencies*. Poster presented at Vision Sciences Society (VSS), St. Pete Beach, Florida.
- Pitchford, B. & Arnell, K. M.** (2017, May). *Forest for the trees after inhibiting prepotent responses: The association between reward responsiveness and local focus*. Poster presented at Southern Ontario Neuroscience Association (SONA), Brock University, St. Catharines, ON.
- Pitchford, B. & Logan, J.** (2016, June). *Uh, Um... The distinctive usage of filled pauses in psychopathic young offenders' speech*. Poster presented at 2016 Canadian Society for Brain,

Behaviour and Cognitive Science Conference, University of Ottawa, Ottawa, ON.

ORAL PRESENTATIONS

Pitchford, B. (2019). Can resting EEG predict individual differences in attentional breadth?

Talk presented at Brock Revolutionary Exploratory Workshops on Topics Related to Psychological Science: Data Blitz, Brock University, St. Catharines, ON.

Pitchford, B. (2017). Seeing “more of the trees” after inhibiting prepotent responses. Talk

presented at Brock Revolutionary Exploratory Workshops on Topics Related to Psychological Science: Data Blitz, Brock University, St. Catharines, ON.

TEACHING EXPERIENCE

Teaching Apprenticeship

Fall 2020

Teaching Apprenticeship, Brock University

Participated in the development and delivery of third year statistics in psychology (Computer Data Analysis) course under the mentorship of Dr. Karen Arnell. Developed and delivered three lectures, assignments and exam questions based on lecture content. Then received feedback from both the professor and students to help improve teaching.

Teaching Assistantships

Fall 2018-2022

Teaching Assistant, Brock University

Course: Computer Data Analysis (PSYC 3P39)

Answered questions about assignments for one hour following each lecture; marked weekly assignments; provided substantial feedback on writing and data analyses; worked one-on-one with students to help with assignment/exam material

Winter 2019

Course Coordinator/Teaching Assistant, Brock University

Winter 2018

Course: Personality (PSYC 2P25)

& Winter 2021

Primary instructor for two seminars/week; facilitated class discussions and activities; marked writing assignments; conducted administrative duties

Fall 2017

Lab Demonstrator, Brock University

& Winter 2017 &

Course: Cognition (PSYC 2P20)

Winter 2020 &

Primary instructor for two computer lab sessions/week; delivered lectures and guided students through cognitive experiments; facilitated class discussions; marked assignments

Winter 2022

Fall 2016 **Teaching Assistant, Brock University**
Course: Health Psychology (PSYC 3P51)
Primary instructor for two seminars/week; facilitated class discussions and activities; marked oral presentations and writing assignments/exams

PROFESSIONAL DEVELOPMENT

July 3, 2018 **Publish, Don't Perish: Tips for Evaluating Journals**
This workshop focused on strategies for evaluating the quality and relevance of academic journals, and to discuss ways to maximize the reach of research via open access publishing while avoiding predatory publications.

April 23-27, 2018 **Brock University & SHARCNet: EEG Analysis Workshop**
This EEG analysis workshop was designed to give researchers who are familiar with ERP projects an opportunity to get hands on experience exploring advanced EEG analysis methods in a collaborative setting

April 10, 2018 **Advanced TA Certificate in Teaching in Higher Education**
Certificate awarded for the completion of eight more teaching workshops (e.g., working with international students, using online resources for TAing) and completion of a statement of teaching philosophy.

April 10, 2017 **TA Certificate in Teaching and Learning in Higher Education**
Certificate awarded for the completion of the teaching workshops below.

March 25-26, 2017 **Software Carpentry at Brock University: BASH, GIT, Octave/Matlab**
This hands-on workshop covered basic concepts and tools, including program design, version control, data management, and task automation.

ACADEMIC AND ADMINISTRATIVE EXPERIENCE

2014–2016 **Vice President of Finance**
Psychology Society of Carleton University
Planned and implemented a successful election campaign, collaborated with other executive members, formulated and maintained an annual budget while helping organize events and other activities.

AD Hoc Reviewer

2021 Clinical Interventions in Aging

PROFESSIONAL MEMBERSHIPS

-Vision Sciences Society (VSS)
-Canadian Society of Brain Behaviour and Cognitive Science (CBBCS)

-Society of Psychophysical Research (SPR)
-Psychonomics Society

REFERENCES

Karen M. Arnell | Professor
Department of Psychology
Brock University
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