

# Brent Pitchford

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Department of Psychology  
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Canada

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## FORMAL EDUCATION

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| 2018-Present | <b>P.H.D., Behavioural and Cognitive Neuroscience</b><br>Brock University<br>Thesis: <i>The Influence of Incentives on Attention: Considering the Role of Individual Differences in Attention-to-Reward</i><br>Supervisor: Dr. Karen Arnell  |
| 2016-2018    | <b>M.A., Behavioural and Cognitive Neuroscience</b><br>Brock University<br>Thesis: <i>Self-Control and its Influence on Global/Local Processing: An Investigation of the Role of Frontal Alpha Asymmetry and Dispositional Approach Tendencies</i><br>Supervisor: Dr. Karen Arnell |
| 2012-2016    | <b>B.Sc., Psychology</b><br>Carleton University, High Distinction<br>Thesis: <i>Uh, Um... The Distinctive Usage of Filled Pauses in Psychopathic Young Offenders' Speech</i><br>Supervisor: Dr. John Logan   |

## RESEARCH FELLOWSHIPS AND SCHOLARSHIPS

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| 2019-2022 | <b>Alexander Graham Bell Canada Graduate Scholarship (Doctoral)</b><br>National Science and Engineering Research Council (\$105,000)  |
| 2019-2020 | <b>Ontario Graduate Scholarship</b><br>Government of Ontario (\$15,000; Declined)   |
| 2018-2019 | <b>Ontario Graduate Scholarship</b><br>Government of Ontario (\$15,000)   |
| 2017-2018 | <b>Alexander Graham Bell - Canada Graduate Scholarship (Master's)</b><br>National Science and Engineering Research Council (\$17,500) |
| 2017-2018 | <b>Ontario Graduate Scholarship</b>   |

	Government of Ontario (\$15,000; Declined)
2017	<b>Spring Research Fellowship</b> Department of Graduate Studies (\$4000)
2016-2017	<b>Research Fellowship</b> Faculty of Graduate Studies (\$2000)
2016-2017	<b>Research Fellowship</b> Attention Lab (\$2000)
2016-2017	<b>Graduate Fellowship</b> Attention Lab (\$5000)

## ACADEMIC DISTINCTIONS AND AWARDS

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2021	<b>Library Open Access Publishing Fund</b> Brock University Library (\$1500)
2018	<b>Certificate of Academic Excellence 2018 – Master’s Thesis</b> Canadian Psychological Association
2018-2019	<b>Entrance Scholarship (PHD)</b> Department of Graduate Studies (\$2000)
2017-2018	<b>Excellence Scholarship</b> Department of Graduate Studies (\$5000)
2016-2017	<b>Entrance Scholarship (MA)</b> Department of Graduate Studies (\$2000)
2012-2015	<b>Entrance Scholarship</b> Carleton University (\$4000)
2013-2016	<b>Deans’ Honour List</b> Carleton University

## PEER-REVIEWED PUBLICATIONS

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**Pitchford, B.** & Arnell, K.M (2022) *An examination of how reward associations differentially facilitate and impair Stroop performance*. Manuscript submitted for publication.

**Pitchford, B.,** & Arnell, K. M. (2022). Evaluating individual differences in rewarded Stroop performance: Reliability and associations with self-report measures. *Psychological Research*. <https://doi.org/10.1007/s00426-022-01689-5>

**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.

## CONFERENCE PRESENTATIONS

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**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. (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. & Arnell, K. M.** (2021). Individual differences in how reward associations affect Stroop performance, Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS), Online, Montreal, QC.

**Pitchford, B.** (2019). Can resting EEG predict individual differences in attentional breadth? 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. Brock Revolutionary Exploratory Workshops on Topics Related to Psychological Science: Data Blitz, Brock University, St. Catharines, ON.

## **RESEARCH EXPERIENCE**

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*2016-2018*

### **Graduate Student and Research Assistant**

Supervisor: Dr. Karen Arnell

Psychology Attention Lab

Brock University, St. Catharines, ON

Department of Psychology

Behavioural and Cognitive Neuroscience

Responsibilities: Designed and conducted behavioural experiments, stimuli creation, programmed experimental tasks and questionnaires using **MATLAB** and **PsychoPy**, analyzed data using **SPSS**, **R** and **MATLAB** software programs, used electrophysiological (**EEG**) methods to acquire data and then analyzed data using custom MATLAB scripts, programmed online cognitive experiments using **JavaScript** and **HTML/CSS** languages with jsPsych.

*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

Responsibilities: Conducted research looking at speech use of young offenders with Wmatrix, completed a critical literature review leading to completion of a significant research project.

*2014*

### **Research Assistant**

Supervisor: Dr. John Zelenski

Happiness Laboratory

Carleton University, Ottawa, ON

Department of Psychology

Responsibilities: Managed online participant recruitment system and participant sign up, ran participants through procedure, and debriefed participants.

## **TEACHING EXPERIENCE**

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### **Teaching Apprenticeship**

Fall 2020                      **Teaching Apprenticeship, Brock University**  
Course: Computer Data Analysis

### **Teaching Assistantships**

Winter 2019                      **Course Coordinator/Teaching Assistant, Brock University**  
Winter 2018                      Course: Personality (PSYC 2P25)  
& Winter 2021

Fall 2018-2021                **Teaching Assistant, Brock University**  
Course: Computer Data Analysis (PSYC 3P39)

Fall 2017                      **Lab Demonstrator, Brock University**  
& Winter 2017 &                Course: Cognition (PSYC 2P20)  
Winter 2020 &  
Winter 2022

Fall 2016                      **Teaching Assistant, Brock University**  
**Course:** Health Psychology (PSYC 3P51)

## **PROFESSIONAL DEVELOPMENT**

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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**

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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.

## **PROFESSIONAL MEMBERSHIPS**

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Vision Sciences Society (VSS), Canadian Society of Brain, Behaviour and Cognitive Science (CBBCS), Society of Psychophysical Research (SPR), Psychonomics Society

## **REFERENCES**

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**Karen Campbell** | Associate Professor  
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