

# CURRICULUM VITAE

## GORDON PENNYCOOK

### CONTACT INFORMATION

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Hill/Levene Schools of Business, University of Regina  
3737 Wascana Parkway, Regina, Saskatchewan, S4S 0A2

grpennycook@gmail.com

### EDUCATION

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Doctor of Philosophy, University of Waterloo Advisors: Dr. Jonathan Fugelsang and Dr. Derek Koehler	2011 – 2016 (parental leave: Sept/14 – Apr/15)
Master of Arts, University of Waterloo Advisors: Dr. Jonathan Fugelsang and Dr. Derek Koehler	2010 - 2011
Bachelor of Arts (Honours), University of Saskatchewan Advisor: Dr. Valerie Thompson	2005 - 2009

### PROFESSIONAL EXPERIENCE

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Assistant Professor, Hill/Levene Schools of Business, University of Regina	2018 - present
Banting Postdoctoral Fellow, Yale University Advisor: Dr. David Rand	2016 - 2018
Lecturer, School of Management, Yale University	2017
Lecturer, Department of Psychology, University of Waterloo	2014

### RESEARCH FUNDING

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Social Sciences and Humanities Research Council of Canada: Insight Development Grant [Ranked #1 in Canada] (PI)	\$48,730 (CAD)	2018 - 2020
Miami Foundation: “Understanding and combating misinformation and fake news online” (PI)	\$275,000 (USD)	2018 - 2020
Templeton Foundation: “Mapping the Psychology of Unbelief Across Contexts and Cultures” (co-applicant)	\$249,096 (USD)	2017 - 2019
Social Sciences and Humanities Research Council of Canada: Banting Postdoctoral Fellowship [Ranked #1 in Canada] (PI)	\$140,000 (CAD)	2016 - 2018
Natural Science Engineering Research Council of Canada: Postdoctoral Fellowship [Ranked #1 in Canada (specific to Psychology)] (PI) (declined)	\$90,000 (CAD)	2016 - 2018

Central Queensland University Population Lab Grant: “Health Beliefs and Behaviours” (co-applicant) \$12,500 (AUS) 2015

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## RESEARCH INTERESTS

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Thinking & Reasoning / Judgment & Decision Making / Metacognition / Misinformation & Fake News / Religious Cognition / Bullshit / Moral Judgment / Creativity / Scientific Understanding & Communication / Cognition and Technology Use / Research Methodology

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## PUBLISHED WORKS

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\* indicates equal contribution / for media coverage see: [gordonpennycook.net/media-coverage/](http://gordonpennycook.net/media-coverage/)

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## SELECTED PUBLICATIONS

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- Pennycook, G.** & Rand, D. G. (2019) Fighting misinformation on social media using crowdsourced judgments of news source quality. *Proceedings of the National Academy of Sciences*.
- Pennycook, G.** & Rand, D. G. (2018). Lazy, not biased: Susceptibility to partisan fake news is better explained by lack of reasoning than by motivated reasoning. *Cognition*.
- Pennycook, G.**, Cannon, T. D., & Rand, D. G. (2018). Prior Exposure Increases Perceived Accuracy of Fake News. *Journal of Experimental Psychology: General*
- Pennycook, G.**, De Neys, W., Evans, J. St. B. T., Stanovich, K. E., & Thompson, V. A. (2018). The mythical dual-process typology. *Trends in Cognitive Sciences*. [Commentary on Melnikoff & Bargh, 2018]
- Lazer, D., Baum, M., Benkler, J., Berinsky, A., Greenhill, K., Menczer, F., Metzger, M., Nyhan, B., **Pennycook, G.**, Rothschild, D., Sloman, S., Sunstein, C., Thorson, E., Watts, D., & Zittrain, J. (2018). The science of fake news. *Science*, 9, 1094-1096.
- Thompson, V. A., **Pennycook, G.**, Trippas, D. & Evans, J. St. B. T. (2018). Do Smart People Have Better Intuitions? *Journal of Experimental Psychology: General*, 147, 945-961.
- Pennycook, G.**, Fugelsang, J.A., & Koehler, D.J. (2015). What makes us think? A three-stage dual-process model of analytic engagement. *Cognitive Psychology*, 80, 34-72.
- Pennycook, G.**, Fugelsang, J.A., & Koehler, D.J. (2015). Everyday consequences of analytic thinking. *Current Directions in Psychological Science*, 24, 425-43.
- Pennycook, G.**, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2015) On the reception and detection of pseudo-profound bullshit. *Judgment and Decision Making*, 10, 549-563.
- Meyer, A., Frederick, S., Burnham, T., Guevara Pinto, J. D., Boyer, T. W., Ball, L. J., **Pennycook, G.**, Ackerman, R., & Thompson, V.A. (2015). Disfluent fonts don't help people solve math problems. *Journal of Experimental Psychology: General*, 144, e16-e30.
- Thompson, V.A., Prowse Turner, J., **Pennycook, G.**, Ball, L., Brack, H., Ophir, Y. & Ackerman, R. (2013). The role of answer fluency and perceptual fluency as metacognitive cues for initiating analytic thinking. *Cognition*, 128, 237-251.

- Pennycook, G.**, Cheyne, J.A., Seli, P., Koehler, D.J. & Fugelsang, J.A. (2012). Analytic cognitive style predicts religious and paranormal belief. *Cognition*, 213, 335-346.
- Pennycook, G.**, Fugelsang, J.A. & Koehler, D.J. (2012). Are we good at detecting conflict during reasoning? *Cognition*, 124, 101-106.
- Thompson, V.A., Prowse Turner, J. & **Pennycook, G.** (2011). Intuition, reason and metacognition. *Cognitive Psychology*, 63, 107-140.

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PEER-REVIEWED PUBLICATIONS (all)

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1. **Pennycook, G.** & Rand, D. G. (2019) Fighting misinformation on social media using crowdsourced judgments of news source quality. *Proceedings of the National Academy of Sciences*.
2. Bronstein, M., **Pennycook, G.**, Bear, A., Rand, D.G., & Cannon, T. (2018). Belief in Fake News is Associated with Delusionality, Dogmatism, Religious Fundamentalism, and Reduced Analytic Thinking. *Journal of Applied Research in Memory and Cognition*.
3. Lazer, D., Baum, M., Benkler, J., Berinsky, A., Greenhill, K., Menczer, F., Metzger, M., Nyhan, B., **Pennycook, G.**, Rothschild, D., Sloman, S., Sunstein, C., Thorson, E., Watts, D., & Zittrain, J. (2018). The science of fake news. *Science*, 9, 1094-1096.
4. **Pennycook, G.**, Cannon, T. D., & Rand, D. G. (2018). Prior Exposure Increases Perceived Accuracy of Fake News. *Journal of Experimental Psychology: General*.
5. **Pennycook, G.** & Rand, D. G. (2018). Cognitive reflection and the 2016 US Presidential election. *Personality and Social Psychology Bulletin*.
6. **Pennycook, G.** & Rand, D. G. (2018). Susceptibility to partisan fake news is explained more by lack of reasoning than by motivated reasoning. *Cognition*.
7. **Pennycook, G.** & Thompson, V. A. (2018). An analysis of the Canadian cognitive psychology job market (2006-2016). *Canadian Journal of Experimental Psychology*, 72, 71-80.
8. Stagnaro, M. N., **Pennycook, G.**, & Rand, D. G. (2018). Performance on the Cognitive Reflection Test is stable across time. *Judgment and Decision Making*, 13, 260-267.
9. Thompson, V. A., **Pennycook, G.**, Trippas, D. & Evans, J. St. B. T. (2018). Do Smart People Have Better Intuitions? *Journal of Experimental Psychology: General*, 147, 945-961.
10. Trippas, D., Kellen, D., Singmann, H., **Pennycook, G.**, Koehler, D. J., Fugelsang, J. A., & Dubé, C. (2018). Characterizing Belief Bias in Syllogistic Reasoning: A Hierarchical-Bayesian Meta-Analysis of ROC Data. *Psychonomic Bulletin & Review*.
11. Bialek\*, M. & **Pennycook\*, G.** (2017). The cognitive reflection test is robust to multiple exposures. *Behavior Research Methods*.
12. **Pennycook, G.**, Ross, R., Koehler, D.J., & Fugelsang, J.A. (2017). Dunning-Kruger effects in reasoning: Theoretical implications of the failure to recognize incompetence. *Psychonomic Bulletin & Review*, 24, 1774-1784.
13. **Pennycook, G.**, Cheyne, J.A., Koehler, D.J. & Fugelsang, J.A. (2016). Is the cognitive reflection test a measure of both reflection and intuition? *Behavior Research Methods*, 48, 341–348.

14. **Pennycook, G.**, Ross, R., Koehler, D.J., & Fugelsang, J.A. (2016). Atheists and agnostics are more reflective than religious believers: Four empirical studies and a meta-analysis. *PLoS ONE*, *11*, e0153039.
15. Ross, R. M., **Pennycook, G.**, McKay, R., Gervais, W. M., Langdon, R., & Coltheart, M. (2016). Analytic thinking style, not delusional ideation, predicts data gathering in a large beads task study. *Cognitive Neuropsychiatry*, *21*, 300-314.
16. Sterling, J. L., Jost, J. T., & **Pennycook, G.** (2016). Are neoliberals more susceptible to bullshit? *Judgment and Decision Making*, *11*, 352-360.
17. Barr\*, N., **Pennycook\***, G., Stolz, J.A., & Fugelsang, J.A. (2015). The brain in your pocket: Evidence that Smartphones are used to supplant thinking. *Computers in Human Behavior*, *48*, 473-480.
18. Barr, N., **Pennycook, G.**, Stolz, J.A., & Fugelsang, J.A. (2015). Reasoned connections: A dual-process perspective on creative thought. *Thinking & Reasoning*, *21*, 61-75. [Special Issue on Creativity and Insight Problem Solving]
19. Browne, M., Thomson, P., Rockloff, M., & **Pennycook, G.** (2015). Going against the herd: Understanding the psychosocial factors underlying the ‘vaccination confidence gap’. *PLoS ONE*, *10*, e1032562.
20. Meyer, A., Frederick, S., Burnham, T., Guevara Pinto, J. D., Boyer, T. W., Ball, L. J., **Pennycook, G.**, Ackerman, R., & Thompson, V.A. (2015). Disfluent fonts don’t help people solve math problems. *Journal of Experimental Psychology: General*, *144*, e16-e30.
21. Medimorec\*, S. & **Pennycook\***, G. (2015). The language of denial: Text analysis reveals differences in language use between climate change proponents and skeptics. *Climatic Change*, 1-9. [Covered in Nature’s “Research Highlights” ([Nature](#), 525, 292.) and by the [National Centre for Science Education](#)]
22. **Pennycook, G.**, Fugelsang, J.A., & Koehler, D.J. (2015). What makes us think? A three-stage dual-process model of analytic engagement. *Cognitive Psychology*, *80*, 34-72.
23. **Pennycook, G.**, Fugelsang, J.A., & Koehler, D.J. (2015). Everyday consequences of analytic thinking. *Current Directions in Psychological Science*, *24*, 425-43. [Covered in APS’ [Observer](#)]
24. **Pennycook, G.**, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2015) On the reception and detection of pseudo-profound bullshit. *Judgment and Decision Making*, *10*, 549-563.
25. Trippas, D., **Pennycook, G.**, Verde, M.F., & Handley, S.J. (2015). Better but still biased: Analytic cognitive style and belief bias. *Thinking & Reasoning*, *21*, 431-455.
26. Browne, M., **Pennycook, G.**, Goodwin, B., & McHenry, M. (2014). Reflective minds and open hearts: Cognitive style and personality predict religiosity and spiritual thinking in a community sample. *European Journal of Social Psychology*, *44*, 736-742.
27. **Pennycook, G.**, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2014). The role of analytic thinking in moral judgments and values. *Thinking & Reasoning*, *20*, 188-214. [Special Issue on Dual-Process Theories]

28. **Pennycook, G.**, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2014). Cognitive style and religiosity: The role of conflict detection. *Memory & Cognition*, *42*, 1-10.
29. **Pennycook\*, G.**, Trippas\*, D., Handley, S. J., & Thompson, V.A. (2014). Base-rates: Both neglected and intuitive. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *40*, 544-554.
30. Cheyne, J.A. & **Pennycook, G.** (2013). Sleep paralysis post-episode distress: Modeling potential effects of episode characteristics, general psychological distress, beliefs, and cognitive style. *Clinical Psychological Science*, *1*, 135-148.
31. **Pennycook, G.**, Cheyne, J.A., Koehler, D.J. & Fugelsang, J.A. (2013). Belief bias during reasoning among religious believers and skeptics. *Psychonomic Bulletin & Review*, *20*, 806-811.
32. Thompson, V.A., Prowse Turner, J., **Pennycook, G.**, Ball, L., Brack, H., Ophir, Y. & Ackerman, R. (2013). The role of answer fluency and perceptual fluency as metacognitive cues for initiating analytic thinking. *Cognition*, *128*, 237-251.
33. **Pennycook, G.**, Cheyne, J.A., Seli, P., Koehler, D.J. & Fugelsang, J.A. (2012). Analytic cognitive style predicts religious and paranormal belief. *Cognition*, *213*, 335-346.
34. **Pennycook, G.**, Fugelsang, J.A. & Koehler, D.J. (2012). Are we good at detecting conflict during reasoning? *Cognition*, *124*, 101-106.
35. **Pennycook, G.** & Thompson, V.A. (2012). Reasoning with base-rates is routine, relatively effortless and context-dependent. *Psychonomic Bulletin & Review*, *19*, 528-534.
36. Thompson, V.A., Prowse Turner, J. & **Pennycook, G.** (2011). Intuition, reason and metacognition. *Cognitive Psychology*, *63*, 107-140.
37. Mehl-Madrona, L., & **Pennycook, G.** (2009). Construction of an aboriginal theory of mind and mental health. *Anthropology of Consciousness*, *20*, 85–100. [undergraduate term paper turned into a manuscript by the professor]

## COMMENTARIES & REPLIES

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38. **Pennycook, G.**, De Neys, W., Evans, J. St. B. T., Stanovich, K. E., & Thompson, V. A. (2018). The mythical dual-process typology. *Trends in Cognitive Sciences*. [Commentary on Melnikoff & Bargh, 2018]
39. **Pennycook, G.** (2018). You are not your data. *Behavioral and Brain Sciences*. [Commentary on Zwaan, Etz, Lucas, & Donnelan, 2018]
40. **Pennycook, G.** & Rand, D. G. (2017). The evolution of analytic thinking? *Behavioral and Brain Sciences*. [Commentary on Burkart, Schubiger, & van Schaik, 2017]
41. **Pennycook, G.**, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2016). It's still bullshit: Reply to Dalton. *Judgment and Decision Making*, *11*, 123-125.
42. **Pennycook, G.**, Fugelsang, J.A., Koehler, D.J., & Thompson, V.A. (2016) Commentary on: Rethinking fast and slow based on a critique of reaction-time reverse inference. *Frontiers in Psychology*.

43. **Pennycook, G.** & Ross, R.M. (2016). Commentary on: Cognitive reflection vs. calculation in decision making. *Frontiers in Psychology*, 7, 9.
44. **Pennycook, G.** (2015). Domain generality in religious cognition. *Religion, Brain & Behavior*, 5, 247-250. [Commentary on Johnson, Li, & Cohen, 2015.]
45. **Pennycook, G.** (2014). Evidence that analytic cognitive style influences religious belief: Comment on Razmyar and Reeve (2014). *Intelligence*, 43, 21-26.
46. Thompson, V.A., Ackerman, R., Sidi, Y., Ball, L., **Pennycook, G.**, & Prowse Turner, J. (2013). The role of answer fluency and perceptual fluency in the monitoring and control of reasoning: Reply to Alter, Oppenheimer, & Epley (2013). *Cognition*, 128, 256-258.

## MANUSCRIPTS UNDER REVIEW

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- Bronstein, M. V., **Pennycook, G.**, Joorman, J., Corlett, P. R., & Cannon, T. D. Dual-process theory, conflict detection, and delusional belief.
- De keersmaecker, J., Roets, A., **Pennycook, G.**, Unkelbach, C., & Rand, D. G. Is the Illusory Truth Effect Robust to Individual Differences in Cognitive Ability, Need for Cognitive Closure, and Cognitive Style?
- Feeney, J. R., **Pennycook, G.**, & Van Boxtel, M. OpenMTurk: An open-source administration tool for designing robust MTurk studies.
- Pennycook, G.** & Rand, D. G. The implied truth effect: Attaching warnings to a subset of fake news stories increases perceived accuracy of stories without warnings (revise and resubmit at *Management Science*)
- Pennycook, G.** & Rand, D. G. Who falls for fake news? The roles of bullshit receptivity, overclaiming, familiarity, and analytic thinking (revise and resubmit at *Journal of Personality*)
- Ross\*, R. M., Brown-Iannuzzi\*, J. L., Gervais, W. M., Jong, J., Lanman, J. A., McKay, R., & **Pennycook, G.** Measuring supernatural belief using the affect misattribution procedure
- Stagnaro, M. N., Ross, R. M., **Pennycook, G.**, & Rand, D. G. Cross cultural support for a link between analytic thinking and disbelief in God: Evidence from India and the United Kingdom
- Tappin, B. M., **Pennycook, G.**, & Rand, D. G. Rethinking the link between cognitive sophistication and identity-protective bias in political belief formation

## EDITED BOOK

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- Pennycook, G.** (Ed.). (2018). *The New Reflectionism in Cognitive Psychology: Why Reason Matters*. Hove, UK: Psychology Press.

## CHAPTERS

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- Pennycook, G.** (2018). Why reason matters: An introduction. In G. Pennycook (Ed.). *The New Reflectionism in Cognitive Psychology: Why Reason Matters*. Hove, UK: Psychology Press.

- Barr, N. & Pennycook, G. (2018). Why reason matters: Connecting research on human reason to the challenges of the anthropocene. In G. Pennycook (Ed.). *The New Reflectionism in Cognitive Psychology: Why Reason Matters*. Hove, UK: Psychology Press.
- Pennycook, G., Tranel, D., Warner, K., & Asp, E. W. (2018). Beyond reasonable doubt: Cognitive and neuropsychological implications for religious disbelief. In A. Coles (Ed.). *Neurology of Religion*. Cambridge: Cambridge University Press.
- Pennycook, G. (2017). A perspective on the theoretical foundation of dual-process models. In W. De Neys (Ed.). *Dual Process Theory 2.0*. Hove, UK: Psychology Press.
- Pennycook, G. & Thompson, V.A. (2016). Base-rate neglect. In R. Pohl (Ed.). *Cognitive Illusions: Intriguing Phenomena in Thinking, Judgment, and Memory* (2nd ed.). Hove, UK: Psychology Press.

## POPULAR PRESS ARTICLES

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- Pennycook, G. & Rand, D. G. (2019). Why Do People Fall for Fake News? *The New York Times*.
- Barr, N. & Pennycook, G. (2018). The most dangerous and misunderstood threat to humanity is the human mind. *Quartz*. [Link](#) [Note: We did not choose this title.]
- Cheyne\*, J.A. & Pennycook\*, G. (2016). The seductions of pretentious bullshit: An empirical study. *Skeptic Magazine*, 21, 40-45.
- Pennycook, G. (2016). Why bullshit is no laughing matter. *Aeon Digital Magazine*. [Link](#)

## INVITED TALKS

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- Pennycook, G. (2018). Reasoning like good lawyers or bad philosophers? Why people fall for fake news. Department of Psychology, University of Toronto (Scarborough), Toronto, ON.
- Pennycook, G. (2018). Reasoning like good lawyers or bad philosophers? Why people fall for fake news. Department of Psychology, Yale University, New Haven, CT.
- Pennycook, G. (2018). Understanding and combating fake news. The Wharton School, University of Pennsylvania, Philadelphia, PA.
- Pennycook, G. (2018). Understanding and combating fake news. Department of Psychology, University of Saskatchewan, Saskatoon, SK.
- Pennycook, G. (2017). Understanding and combating fake news. Department of Psychology, Harvard University, Cambridge, MA.
- Pennycook, G. (2017). Bullshit: Pseudo-profound and otherwise. School of Management, Yale University, New Haven, CT.
- Pennycook, G. (2017). Analytic thinking, pseudo-profound bullshit, and fake news. Department of Psychology, Brown University, Providence, RI.
- Pennycook, G. (2017). Applying cognitive psychology. Hill/Levene Schools of Business, University of Regina, Regina, SK.
- Pennycook, G. (2017). Prior exposure increases perceived accuracy of fake news. Conference for Combating Fake News: An Agenda for Research and Action. Harvard Law School & Northeastern University, Cambridge & Boston, MA.  
<https://shorensteincenter.org/combating-fake-news-agenda-for-research/>

- Pennycook, G.** (2016). The causes and consequences of analytic thinking. Department of Psychology, University of British Columbia, Vancouver, BC.
- Pennycook, G.** (2016). A psychology of bullshit? Society of Judgment and Decision Making Preconference on Debiasing, Boston, MA.
- Pennycook, G.,** Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2015) On the reception and detection of pseudo-profound bullshit. Trent University Physics and Chemistry Seminar, Peterborough, ON.
- Pennycook, G.,** Cheyne, J.A., Barr, N., Fugelsang, J.A. & Koehler, D.J. (2012) Analytic thinking, morality, and religion: Why reason is important. Waterloo Mind Society Graduate Student Colloquium, University of Waterloo, ON.

## CONFERENCE PRESENTATIONS

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\* indicates presenting author

- Pennycook, G.** & Rand, D. G.\* (2018). Combatting fake news. Society of Judgment and Decision Making Annual Conference, New Orleans, LA. (international; oral)
- Pennycook, G.\*** & Rand, D. G. (2018). Lazy, not biased: Susceptibility to partisan fake news is better explained by lack of reasoning than by motivated reasoning. Society of Judgment and Decision Making Annual Conference, New Orleans, LA. (international; poster)
- Barr, N.\* & **Pennycook, G.** (2018). Connecting research on human reason to the challenges of the Anthropocene. Society of Judgment and Decision Making Annual Conference, New Orleans, LA. (international; poster)
- Pennycook, G.\*** & Rand, D. G. (2018). Lazy, not biased: Susceptibility to partisan fake news is better explained by lack of reasoning than by motivated reasoning. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, St. John's, NL. (postgraduate; national; oral)
- Thompson, V. A.\*, **Pennycook, G.,** & Evans, J. St. B. T. (2018). Cognitive capacity and problem complexity: What are the boundary conditions for "logical intuitions"? Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, St. John's, NL. (postgraduate; national; oral)
- Pennycook, G.\*** (2018). Are people good at detecting bullshit? Society for Personality and Social Psychology Annual Meeting, Atlanta, GA (postgraduate; international; oral) [symposium presentation]
- Pennycook, G.\*,** Fugelsang, J.A., & Koehler, D.J. (2017). A three-stage model of analytic engagement. Psychonomics Society Annual Conference, Vancouver, B.C. (postgraduate; international; oral) [symposium presentation]
- Pennycook, G.\*,** Rand, D.G., Koehler, D.J., & Fugelsang, J.A. (2017). Reversing the meaning of pseudo-profound bullshit has no impact for intuitive individuals. Society of Judgment and Decision Making Annual Conference, Vancouver, B.C. (postgraduate; international; poster).
- Thompson, V. A.\*, **Pennycook, G.,** Trippas, D., & Evans, J. St. B. T. (2017). Do smart people have better intuitions? Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Regina, SK. (postgraduate; national; oral)
- Pennycook, G.\*,** Cannon, T. D., & Rand, D. G. (2017). Prior exposure increases perceived accuracy of fake news. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Regina, SK. (postgraduate; national; oral)



- Pennycook, G.\*** (2017). The Canadian cognitive science job market (2006-2016). Society for Brain, Behaviour and Cognitive Science Annual Conference, Regina, SK. (postgraduate; national; oral)
- Thompson, V. A.\*, **Pennycook, G.**, Trippas, D., & Evans, J. St. B. T. (2016). Do smart people have better intuitions? Psychonomics Society Annual Conference, Boston, MA. (postdoctoral; international; oral)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2016). Atheists and agnostics are more reflective than religious believers: Four empirical studies and a meta-analysis. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Ottawa, ON. (graduate; national; oral)
- Medimorec, S.\*, **Pennycook, G.**, & Risko, E. (2016). Language and thinking styles. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Ottawa, ON. (graduate; national; oral)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2016). Bullshit detection and cognitive reflection. Southern Ontario Behavioral Decision Research Conference, London, ON. (graduate; regional; poster)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2015). On the (nearly ubiquitous) desire for greater wealth equality in the United States: A follow-up to Norton & Ariely (2011). Society of Judgment and Decision Making Annual Conference, Chicago, IL. (graduate; international; poster).
- Barr, N.\*, **Pennycook, G.**, Stolz, J.A., & Fugelsang, J.A. (2015). The brain in your pocket: Evidence that Smartphones are used to supplant thinking. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Ottawa, ON. (graduate; national; oral)
- Pennycook, G.\***, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2015). Bullshit proneness: Finding meaning in meaningless statements. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Ottawa, ON. (graduate; national; oral)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2015). The dual roles of ideology and rationality in judgments of the ideal and estimated distribution of American wealth. Southern Ontario Behavioral Decision Research Conference, Toronto, ON. (graduate; regional; poster)
- Medimorec, S.\* & **Pennycook, G.** (2015). Proponents and skeptics use different language styles to communicate climate science. Association for Psychological Science 27<sup>th</sup> Annual Convention, New York, NY. (graduate; international; poster).
- Barr, N.\*, **Pennycook, G.**, Stolz, J.A., & Fugelsang, J.A. (2015). Improving creative analogical reasoning via explicit cues: The importance of individual differences in cognitive style. Lake Ontario Visionary Establishment Conference, Niagara Falls, ON. (graduate; regional; poster)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2014). What makes us think? Conflict detection and cognitive decoupling as sources of analytic engagement. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Toronto, ON. (graduate; national; oral)
- Millar, C.\*, **Pennycook, G.**, Fugelsang, J.A., & Friedman, O. (2014). Cognitive Style Predicts Acceptance of Destructive Ownership Violations in Moral Dilemmas. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Toronto, ON. (graduate; national; poster)

- Pennycook, G.\***, Cheyne, J.A., Barr, N., Koehler, D.J. & Fugelsang, J.A. (2013). Gender differences in analytic cognitive style. Society of Judgment and Decision Making Annual Conference, Toronto, ON. (graduate; international; poster).
- Barr, N.\*, **Pennycook, G.**, Stolz, J., & Fugelsang, J.A. (2013). The creative executive: Analytic cognitive style predicts success in making remote connections. Psychonomics Society Annual Conference, Toronto, ON. (graduate; national; poster)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2013). Dissociating conflict detection and response inhibition as sources of analytic engagement using a rapid-response base-rate task. Psychonomics Society Annual Conference, Toronto, ON. (graduate; national; poster)
- Trippas, D.\*, **Pennycook, G.**, Verde, M. F., & Handley, S. J. (2013). Ignoring individual differences in belief bias leads to incorrect conclusions. Psychonomics Society Annual Conference, Toronto, ON. (graduate; national; poster)
- Pennycook, G.\***, Cheyne, J.A., Barr, N., Fugelsang, J.A. & Koehler, D.J. (2013). Science and Politics in the United States: Why you should be worried. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Calgary, AL. (graduate; national; poster)
- Pennycook, G.\***, Fugelsang, J.A., & Koehler, D.J. (2012). Conflict detection during a rapid-response base-rate task. Society of Judgment and Decision Making Annual Conference, Minneapolis, MN. (graduate; international; poster).
- Pennycook, G.\***, Cheyne, J.A., Barr, N., Koehler, D.J., & Fugelsang, J.A. (2012). Dissociations in conflict detection during reasoning: Implications for the science of religious belief. Psychonomics Society Annual Conference, Minneapolis, MN. (graduate; international; poster).
- Pennycook, G.\***, Cheyne, J.A., Seli, P., Fugelsang, J.A. & Koehler, D.J. (2012). Analytic cognitive style predicts religious and paranormal belief. International Conference on Thinking, London, UK. (graduate; international; poster).
- Pennycook, G.\***, Cheyne, J.A., Seli, P., Fugelsang, J.A. & Koehler, D.J. (2012). Analytic cognitive style predicts religious belief. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Kingston, ON. (graduate; national; oral).
- Pennycook, G.\***, Cheyne, J.A., Seli, P., Fugelsang, J.A. & Koehler, D.J. (2012). Cognitive style predicts supernatural belief. Southern Ontario Behavioural Decision Research Conference, Waterloo, ON. (graduate; national; poster).
- Pennycook, G.\***, Cheyne, J.A., Seli, P., Fugelsang, J.A. & Koehler, D.J. (2011). Rationality and religion: Reasoning style predicts religiosity. Society of Judgment and Decision Making Annual Conference, Seattle, WA. (graduate; international; poster). [winner of “best student poster” award]
- Pennycook, G.\***, Thompson, V.A., Trippas, D. & Handley, S. (2011). Base rate probabilities are (sometimes) accessible to intuitive processes. Psychonomics Society Annual Conference, Seattle WA. (graduate; international; poster).
- Thompson, V.A., Handley, S., **Pennycook, G.** & Trippas, D.\* (2011). Base rate neglect: A conflict between type 1 processes? London Reasoning Workshop, London, UK. (graduate; international; oral).
- Pennycook, G.\***, Fugelsang, J.A. & Koehler, D.J. (2011). Conflict detection in dual-process theory: Are we good at detecting when we are biased? Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Winnipeg, MB. (graduate; national; poster).

- Pennycook, G.\***, Fugelsang, J.A. & Koehler, D.J. (2011). Conflict detection in dual-process theory: Are we good at detecting when we are biased? Southern Ontario Behavioral Decision Research Conference, Toronto, ON. (graduate; national; poster).
- Thompson, V.A.\*, Ball, L., Brack, H. & **Pennycook, G.**, (2010). Choosing between intuition and reason: The role of metacognition and fluency in analytic thinking. Psychonomics Society Annual Conference, St. Louis, MO, USA. (undergraduate; international; oral).
- Thompson, V.A.\*, Prowse Turner, J., **Pennycook, G.** & Evans, J. St. B. T (2010). Choosing between intuition and reason: The role of metacognition in initiating analytic thinking. International Association for Metacognition Bi-Annual Conference, St. Louis, MO, USA. (undergraduate; international; oral).
- Pennycook, G.\*** & Thompson, V.A. (2010). Base rate neglect: Now you see it, now you don't. Canadian Society for Brain, Behaviour and Cognitive Science Annual Conference, Halifax, NS. (undergraduate; national; poster).
- Pennycook, G.\*** & Thompson, V.A. (2010). When are base rates neglected? Banff Annual Seminar in Cognitive Sciences, Banff, AB. (undergraduate; national; poster).
- Thompson, V.A.\*, **Pennycook, G.**, Prowse Turner, J. & Evans, J. St. B. T (2009). The Feeling of Rightness: Towards a Dual Process theory of conditional reasoning. London Reasoning Workshop, London, UK. (undergraduate; international; oral).
- Thompson, V.A.\*, **Pennycook, G.**, Prowse Turner, J. & Evans, J. St. B. T (2009). The Feeling of Rightness: Towards a Dual Process Theory of Conditional Inference. International Conference on Thinking, Venice, Italy. (undergraduate; international; oral presentation).
- Pennycook, G.\***, Thompson, V.A., & Prowse Turner, J. (2009). The role of fluency in reasoning. NSERC USRA Poster Competition, Saskatoon, SK. (undergraduate; institutional; poster).

## AWARDS/HONOURS

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Poynter Institute's International Fact-Checking Network "Researcher of the Year"	2017
Governor General's Gold Medal	2017
University of Waterloo Alumni Gold Medal	2016
Ig Nobel Peace Prize	2016
Natural Science Engineering Research Council of Canada - Alexander Graham Bell Canada Graduate Scholarship, Doctoral (\$105,000)	2012 - 2016
Doctoral Thesis Completion Award (\$5,000)	2016
Ontario Graduate Scholarship (\$15,000) (declined)	2012 - 2013
University of Waterloo - President's Graduate Scholarship (\$50,000)	2011 - 2016
Natural Science Engineering Research Council of Canada - Canada Graduate Scholarship, Master's (\$17,500)	2011 - 2012
Society for Judgment and Decision Making Best Student Poster Award (\$250)	2011
University of Waterloo Scholarship (\$10,000)	2010 - 2011
Canadian Psychological Association Honours Thesis Award	2009

Natural Science Engineering Research Council of Canada - Undergraduate Summer Research Award (\$4,500)	2009
The Walter and Ruth Leverton Award (\$3,000)	2008
Natural Science Engineering Research Council of Canada - Undergraduate Summer Research Award (\$4,500)	2008
University of Saskatchewan Dean's List	2005 - 2009

## **ACADEMIC AND RESEARCH EXPERIENCE**

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Lecturer – Introduction to Organizational Behaviour (BUS 260 – Hill/Levene Schools of Business, University of Regina)	2018 - present
Lecturer – Behavioral Economics II – Tests and Applications (MGT 855 – Yale University School of Management) (co-taught with Shane Frederick)	2017
Teaching Assistant – Research in Cognition and Perception (Psych 394 - University of Waterloo)	2016
Teaching Assistant – Advanced Analysis of Variance (Psych 630 - University of Waterloo)	2015
Lecturer – Research in Cognition (Psych 394 - University of Waterloo)	2014
Teaching Assistant – History of Psychology (Psych 380- University of Waterloo)	2013
Teaching Assistant – Advanced Analysis of Variance (Psych 630 - University of Waterloo)	2013
Teaching Assistant – The Psychology of Reading (Psych 308 - University of Waterloo)	2012
Teaching Assistant – Advanced Analysis of Variance (Psych 630 - University of Waterloo)	2012
Teaching Assistant – Introductory Psychology (Psych 101 - University of Waterloo)	2011
Teaching Assistant – Research in Cognition and Perception (Psych 394 - University of Waterloo)	2011
Teaching Assistant – Basic Data Analysis (Psych 292 - University of Waterloo)	2011
Teaching Assistant – Advanced Data Analysis (Psych 391 - University of Waterloo)	2010
Lab Administrator (Dr. Valerie Thompson & Dr. Jamie Campbell - University of Saskatchewan)	2009 - 2010
Participant Pool Administrator (University of Saskatchewan)	2009 - 2010
Research Assistant (Dr. Valerie Thompson & Dr. Jamie Campbell - University of Saskatchewan)	2008 - 2009

## **PROFESSIONAL SERVICE**

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Business Administration Teaching Committee	2018 - present
Graduate Student Rep. for the Arts Faculty Committee on Student Appeals	2013 - 2014
Organizer for University of Waterloo Cognitive Division Seminar	2012 - 2014
Graduate Student Rep. for the Arts Faculty Council	2012 - 2014
Graduate Student Rep. for the Arts Faculty Council Executive	2012 - 2013
Graduate Student Rep. for the Strategic Planning Working Group on Teaching	2012 - 2013

## REVIEWER

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I am a member of the editorial board for *Thinking & Reasoning* and a consulting editor for *Judgment and Decision Making*

*Acta Psychologica / Advances in Cognitive Psychology / Applied Cognitive Psychology / Applied Psychology: Health and Well-Being / Basic and Applied Social Psychology / Behavior Research Methods / Canadian Journal of Experimental Psychology / Consciousness and Cognition / Cognition / Cognitive Development / Cognitive Psychology / Current Directions in Psychological Science / European Journal of Social Psychology / Frontiers in Psychology / Experimental Psychology / Intelligence / International Journal for the Psychology of Religion / Journal for the Scientific Study of Religion / Journal of Behavioral Decision Making / Journal of Applied Research in Memory and Cognition / Journal of Cognitive Psychology / Journal of Experimental Psychology: Learning, Memory, and Cognition / Journal of Experimental Psychology: General / Journal of Experimental Social Psychology / Journal of Individual Differences / Journal of Personality / Journal of Personality and Social Psychology / Journal of Religion and Health / Judgment and Decision Making / Learning & Instruction / Memory & Cognition / Mind & Society / Nature Communications / Neuroscience Letters / Neuropsychologica / Oxford Studies in Experimental Philosophy / Personality and Social Psychology Bulletin / Perspectives on Psychological Science / PLoS ONE / Philosophical Psychology / Proceedings of the National Academy of Science / Psychology of Religion and Spirituality / Psychological Science / Psychonomic Bulletin & Review / Quarterly Journal of Experimental Psychology / Religion, Brain & Behavior / Review of General Psychology / Review of Philosophy and Psychology / Royal Society Open Science / Social Psychology / Social Psychological and Personality Science / Social and Personality Psychology Compass / Thinking & Reasoning*

*National Science Foundation (US) / National Science Centre (Poland) / Natural Sciences and Engineering Research Council of Canada*

## PROFESSIONAL ASSOCIATIONS

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Canadian Society for Brain, Behaviour, and Cognitive Science / Society for Judgment and Decision Making / Society for Personality and Social Psychology

## HONOURS THESES CO-SUPERVISED

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Damla Ozdalga - <i>Fake news and social signaling: Does the number of likes and shares influence engagement with inaccurate news articles?</i> (Yale University)	2017 - 2018
Ryan Van Camp – <i>Mental construal and analogical reasoning: Construal effects on analogical word task completion</i> (University of Waterloo)	2015 - 2016
Lee Follis – <i>The effect of thinking style on worldview</i> (University of Waterloo)	2014 - 2015
Rowan Francois – <i>Creativity and metacognition: The inner workings of creativity</i> (University of Waterloo)	2014 - 2015
Jonathan Simard – <i>Arousal and emotion in moral judgment</i> (University of Waterloo)	2014 - 2015
Sandy Vuong – <i>Conflict detection during reasoning: An ERP study</i> (University of Waterloo)	2013 - 2014
Dainis Kalnins – <i>Thinking style and tolerance for ambiguity</i> (University of Waterloo)	2012 - 2013
Viola Halder – <i>Proportion congruency affects conflict detection and response inhibition in a base-rate task</i> (University of Waterloo)	2012 - 2013
Jason Van Amelsvoort – <i>Math anxiety and decision making: Examining the case of base-rate neglect</i> (University of Waterloo)	2011 - 2012

## RESEARCH ASSISTANTS TRAINED

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Evan Collins	2017
Sahana Kukan	2015 - 2016
Ethan Meyers	2015 - 2016
Priyanka Thakkar	2015 - 2016
Hanson Wong	2015 - 2016
Kathy Chen	2015 - 2016
Bawanpreet Gosal	2015 - 2016
Dorothy Chan	2015 - 2016
Chris Carniello	2015 - 2016
Vivian Lam	2014
Lee Follis	2013 - 2014
Jonathan Simard	2013 - 2014
Jup Grewal	2013 - 2014
Justin Tjong	2012 - 2014
Kris Stapleton	2012 - 2013
Peter Thomson	2012 - 2013
Anita Thayalathanasan	2012 - 2013
Galen Chan	2011 - 2013
Florence Chan	2012

Mariah Lin	2012
Kiruthiha Vimalakanthan	2012
Becky Zhao	2012
Dipti Sabharawal	2012
Emanuel Katsnelson	2011 - 2012
Manar Shaker	2011

**Last updated**

2019-01-21