

MOHAMMAD DASTGHEIB

I am a cognitive neuroscientist, with a background in human memory consolidation. My research interests include learning and perceptual memory in older adults as well as its applications in early detection of neurodegenerative disorders.

EDUCATION

current
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2021

PhD Student, Psychology

University of California, Riverside

📍 Riverside, CA

- Preliminary thesis title: How Locus Coeruleus Integrity in Older Adults Mediates Perceptual and Memory Processes?
- Supervisors: Aaron R. Seitz, PhD; Ilana J. Bennett, PhD

2020
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2017

M.Sc., Psychology

Queen's University

📍 Kingston, ON

- Thesis: [The Effects of Self-Guided Meditation and Napping on Memory Consolidation in Humans](#)
- Supervisor: Hans C. Dringenberg, PhD
- GPA: 3.83

2017
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2013

Hon. B.Sc., Biological Sciences, Psychology (double major)

York University

📍 Toronto, ON

- Thesis: Are Older Adults' Attitudes about Aging Influenced by a Psychoeducational Program?
- Supervisors: Jill B. Rich, PhD, CPsych (York University); Angela K. Troyer, PhD, CPsych (Baycrest Hospital)

2012
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2008

B.Eng., Chemical Engineering

Azad University

📍 Tehran, Iran

- unfinished

WORK

current
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2021

Research Assistant I

International Centre for Surgical Safety (ICSS)

📍 Toronto, ON

- Artificial Intelligence Annotator
- Annotating surgical instruments for deep learning algorithms to precisely recognize the object

CONTACT

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✉️ mdast003@ucr.edu

🐦 Twitter: [@MoDastgheib](https://twitter.com/MoDastgheib)

in LinkedIn: [mdastgheib](https://www.linkedin.com/in/mdastgheib)

🔗 GitHub: [mohdasti](https://github.com/mohdasti)

🗣️ Zoom: [mdastgheib](https://mdastgheib.com)

PROGRAMMING SKILLS

Experienced with:

📊 R

📄 Markdown

Familiar with:

🐍 Python

🔗 Git

🗄️ SQL

📐 MATLAB-SPM12

📝 LaTeX

LANGUAGES

Persian: Native

English: Proficient

French: Beginner

NATIONALITY

Canadian

Iranian



ACADEMIC EXPERIENCE

2019
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2017



Graduate Research Assistant

Neuroplasticity lab

📍 Queen's University

- Supervising volunteers
- Monitoring human sleep by EEG/EMG/EOG recordings



TEACHING EXPERIENCE

2019
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2018



Graduate Teaching Assistant

Department of Psychology

📍 Queen's University

- Taught occasionally, Held weekly tutorials, Marking assignments and exams
- Advanced Perception (Prof. Niko Troje, Winter 2018)
- Introduction to Cognition (Prof. Monica Castelhana, Winter 2018 and Winter 2019)
- Introduction to Comparative Cognition (Prof. Cella Olmstead, Fall 2019)
- Brain & Behaviour I (Prof. Tyson Baker, Fall 2019)
- History of Modern Psychology (Prof. Cella Olmstead, Winter 2019)

2012
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2011



Persian Literature and Composition Instructor

Mofid Middle School

📍 Tehran, Iran

- Supervisor: Mostafa Moeini



RESEARCH EXPERIENCE

current
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2015



Research Fellow

Toronto General Hospital, Gen. Internal Medicine

📍 Toronto, ON

- Data collection, Completing a database for further studies, Literature review and analysis
- Supervisor: Dr. Mohammad Shafiee, MD

2020



Research Volunteer

International Centre for Surgical Safety (ICSS)

📍 Toronto, ON

- Data collection and EEG monitoring on surgeons in the OR
- Supervisor: Dr. Bonnie Armstrong, PhD
- cancelled due to COVID-19

2017



Research Volunteer

Baycrest Hospital

📍 North York, ON

- Running educational programs for older adults and data analysis
- Supervisor: Dr. Sue Vandermorris, PhD, CPsych

2016 • **Keenan Research Summer Student** 📍 Toronto, ON
St. Michael's Hospital
• Observed Memory Clinic and cognitive test administration
• Supervisor: Dr. Corinne E. Fischer, MD

2009 | 2008 • **Research Volunteer** 📍 Tehran, Iran
Tarbiat Modares University, Faculty of Engineering
• Collected data and conducted literature review



PUBLICATION

2019 | N/A • **Critical Care Canada Forum 2019 Abstracts**
• Canadian Journal of Anesthesia
• Published abstract



CONFERENCE TALK

2019 • **The Effects of Self-guided Meditation and Napping on Non-Declarative and Declarative Memory Consolidation** 📍 Waterloo, ON
• Canadian Society for Brain, Behaviour, & Cognitive Sciences meeting
• *Dastgheib, M.*, Legro L., Stewart M., Dringenberg H.







POSTER PRESENTATIONS

2019 • **Discrepancy between Clinical Volume Assessment vs. Laboratory Investigations and Change in the Hyponatremia Management** 📍 Tabriz, Iran
• 17th International Congress of Nephrology, dialysis, and transplantation
• Shafiee, M., Mumtaz, M., *Dastgheib, M.*, Rezaei, R.





2019 • **Common Etiologies of Hypernatremia and Current Analytic Approaches Used at University Health Network Hospitals** 📍 Tabriz, Iran
• 17th International Congress of Nephrology, dialysis, and transplantation
• Shafiee, M., *Dastgheib, M.*, Sarwar, S., Hajighadimi, S., Rezaei, R.

2019 • **Current diagnostic approaches to patients with hypernatremia at University Health Network Hospitals** 📍 Toronto, ON
• 2019 Critical Care Canada Forum (CCCF)
• Sarwar, S., Shafiee, M., *Dastgheib, M.*, Hajighadimi, S., Ghafarian, H., Rokni, H.


Currently, Dr. Dringenberg and I are writing a comprehensive review paper on sleep and memory which includes the findings of my research.

- 2018 ● The Effects of Self-guided Meditation and Napping on Non-Declarative and Declarative Memory Consolidation  Guelph, ON
- Southern Ontario Neuroscience Association (SONA) conference
 - *Dastgheib M.*, Legro L., Stewart M., Dringenberg H.
- 2017 ● Are Older Adults' Attitudes about Aging Influenced by a Psychoeducational Program?  Toronto, ON
- Psychology Undergraduate Thesis Poster Day
 - *Dastgheib, M.*
- 2016 ● Syndrome of Inappropriate Anti-Diuretic Hormone (SIADH); Risks and Dangers of a Misnomer  Toronto, ON
- 2016 Critical Care Canada Forum (CCCCF)
 - Shafiee M., Tabataba-Vakili S., Parastandechehr G., Hakimfaal S., Umar S., *Dastgheib M.*, Nazarian, A., Ghaffarian H.
- 2015 ● Enzymatic Activity of Pancreatic α -amylase in Microgravity  Toronto, ON
- 2015 Science Rendezvous. Ryerson University
 - Aziz, T., Calabria, D., *Dastgheib, M.*, Dastgheib, M., Farache, R., Geramy, S., Haberfellner, C., Lee, J., Tampus, J., Upshaw, T

COMMUNITY INVOLVEMENT

- 2019
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2018 ● Content Developer
RISE — Research and Information Science Education  Queen's University
- Improving research skills and scientific literacy in students
 - Educational outreach at the secondary school level
- 2019
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2018 ● Volunteer
Providence Care Hospital  Kingston, ON
- 2019
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2017 ● Educational Mentorship
QchaT Psychology  Queen's University
- 2012
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2008 ● Student Journal Columnist
Music review in Aan magazine  University of Tehran

HONOURS & AWARDS

- 2021 ● Dean's Distinguished Fellowship Award
Graduate Division  University of California, Riverside
- 2019 ● Graduate Student Conference Travel Award
Department of Psychology  Queen's University

2018	<ul style="list-style-type: none"> Graduate Student Conference Travel Award Department of Psychology 	<ul style="list-style-type: none"> 📍 Queen's University
2018	<ul style="list-style-type: none"> Mitchell and Wilda Andriesky Award Faculty of Graduate Studies 	<ul style="list-style-type: none"> 📍 Queen's University
2017	<ul style="list-style-type: none"> Entrance Scholarship Faculty of Graduate Studies 	<ul style="list-style-type: none"> 📍 Queen's University
2016	<ul style="list-style-type: none"> Dean's Honour Roll Faculty of Science 	<ul style="list-style-type: none"> 📍 York University
2012	<ul style="list-style-type: none"> Dean's Honour Roll Faculty of Liberal Arts and Sciences 	<ul style="list-style-type: none"> 📍 Wichita State University

AFFILIATIONS & MEMBERSHIPS

- Current Memberships

- Cognitive Science Society
- Canadian Society for Brain Behaviour & Cognitive Science(CSBBCS)

- Past Memberships

- Southern Ontario Neuroscience Association (SONA)
- Society for Philosophy and Psychology

SHORT ONLINE COURSES ATTENDED

current 2018	<ul style="list-style-type: none"> Certificates in R, Python, SQL, and Tableau Datacamp 	<ul style="list-style-type: none"> 📍 online
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I regularly add more certificates as I am taking additional courses

This CV was made with the R package [pagedown](#) and [datadrivencv](#).

Code available on  [GitHub](#).

Last updated on 2021-07-16. The most recent version of this CV is [available here](#).