CONTACT	Date of Birth: November 19, 2001
	Citizenship: Canadian
	Languages: English (fluent), French (fluent), Hebrew (fluent)
	Telephone: +1 (514) 992-2330
	Email: jordanlevett@gmail.com
	Twitter: @JordanLevett19
	LinkedIn: https://www.linkedin.com/in/jordan-levett/
	Webpage: https://jordanlevett.github.io/webpage/

RESEARCH INTERESTS

Methodological: Systematic review, Meta-analysis, Retrospective and prospective clinical studies, Machine learning (computer vision and natural language processing) Applications: Orthopaedic surgery; Neural interfaces; Medical device development; Surgical navigation; Clinical outcomes; Electronic Health Records

EDUCATION

2022-2026	**M.D.**	Medicinæ Doctorem, University of Montreal *In progress*
2021-2022		Medicine Preparatory Qualifying Year, University of Montreal
2019-2021	**D.C.S.**	Diploma of College Studies Health Science (200.B1), Vanier College. *Dean's Honor Roll* (Global average: 97%; R score: 38.844)
2014-2019	**S.S.D.**	Secondary School Diploma, Herzliah High School. *Dean's Honor Roll* (Global average: 97%)

CERTIFICATES

TCPS 2 - CORE 2022	Course on Research Ethics based on the Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS 2: CORE 2022). (Certificate # 0001253459) Issued on 20 December, 2023.
BLS Provider	Basic Life Support Provider, Heart and Stroke Foundation of Canada. Expires September 2023.
National Lifeguard	National Lifeguard Certification, Canadian Red Cross. Expires June 2023.
COSMEC Course	Canadian Orthopaedic Surgery Medical Education Course (COSMEC), University of Toronto (Toronto, Canada). Issued on May 17, 2022.

AWARDS & DISTINCTIONS

2021	J.W. McConnell Entrance Scholarship, McGill University (CA$3,000/year)
2021	Pre-University Diploma Program Scholar, Vanier College
2021	Microsoft Award, Regeneron International Science and Engineering Fair (US$500)
2020-2021	Mitacs FRQNT College-level Research Internship Award, Fonds de recherche Nature et technologies Québec (CA$5,000)

	2019	MILSET International Research Fair. Abu Dhabi, United Arab Emirates (CA$2,500)
	2019	The Principal's Award for Outstanding Achievement and Exceptional Engagement
	2019	Certificate of Merit for Outstanding Overall Achievement.
	2019	The McGill Science Award (Promise in Science and Mathematics)
	2019	The Soryl Naymark Prize (Achievement in Science)
	2019	Francis-Boulva Recognition Award
	2018	Intel International Science & Engineering Fair (Pittsburgh, Pennsylvania)
	2018	McGill University Faculty of Medicine Award
	2018	McGill University Faculty of Mathematics and Statistics Award
	2018	Peter Lochtie Memorial Prize
	2018	Concordia University Department of Mathematics and Statistics Award
	2017	McGill University Faculty of Science Award
	2017	Concordia University Faculty of Arts and Science Entrance Bursary
	2017-2019	Super expo-sciences Hydro Québec Experimentation & Design Award
	2014-2018	Gold Student Life Achievement Medal
RESEARCH BURSARIES	2020-2021	Mitacs FRQNT College-level Research Internship Award, Fonds de recherche Nature et technologies Québec (CA$5,000)
EXPERIENCE	2023-	Founder & Co-Director at Canadian Orthopaedic Surgery Student Network (COSSNET). Serving as an affiliate partner society of the Canadian Orthopaedic Association (COA), COSSNET is the first student-led national initiative in Canada, dedicated to advocating for musculoskeletal health and offering resources to over 350 students interested in pursuing orthopaedics. Additionally, produced the *Bone Break* podcast, an educational resource that distills complex orthopaedic principles into accessible, high-yield concepts for medical students. Montreal, Canada.
	2022-	Research Co-Lead at Surgery Interest Group of University of Montreal (GICUM). Montreal, Canada.
	2022-2023	InciSioN (International Student Surgical Network), Internal Affairs. International.
	2020-2021	Teaching Assistant for Mechanics (203-NYA-05) and Electricity & Magnetism (203-NYB-05), Vanier College. Montreal, Canada.
	2020-2021	Journal Editor and Writer for SIGMA: The Vanier Science Journal. Montreal, Canada.

PUBLICATIONS

[1] **Levett JJ**, Alnasser A, Elkaim LM, Drager J, Pauyo T. Negative Sentiments Toward Anterior Cruciate Ligament Injury Prevention Outweigh Positive Awareness Discussions on Social Media. *Journal of ISAKOS*. doi:10.1016/j.jisako.2024.100306

[2] **Levett JJ**, Georgiopoulos M, Martel S, Al Mugheiry W, Stavropoulos NA, Vega-Arroyo M, Santaguida C, Weber MH, Golan JD, Jarzem P, Ouellet JA, Klironomos G, Demetriades AK. Pharmaceutical Treatment of Degenerative Cervical Myelopathy: A Critical Review of Current Evidence. *Neurospine*. 2024;21(2):375-400. doi:10.14245/ns.2448140.070

[3] **Levett JJ**, Alatassi R, Huk OL, Antoniou J. Immunoglobulin A Nephropathy in a Patient With Bilateral Metal-on-Metal Hip Arthroplasty. *Arthroplast Today*. 2024;27:101407. doi:10.1016/j.artd.2024.101407

[4] **Levett JJ**, Elkaim LM, Niazi F, Weber MH, Iorio-Morin C, Bonizzato M, Weil AG. Invasive Brain Computer Interface for Motor Restoration in Spinal Cord Injury: A Systematic Review. *Neuromodulation*. 2024;27(4):597-603. doi:10.1016/j.neurom.2023.10.006

[5] Niazi F, Elkaim LM, Zadeh Khomami NM, **Levett JJ**, Weil AG, Hodaie M, Alotaibi NM. Microvascular Decompression and Trigeminal Neuralgia: Patient Sentiment Analysis Using Natural Language Processing. *World Neurosurg*. 2023;180:e528-e536. doi:10.1016/j.wneu.2023.09.107

[6] **Levett JJ**, Elkaim LM, Alotaibi NM, Weber MH, Dea N, Abd-El-Barr MM. Publication retraction in spine surgery: a systematic review. Eur Spine J. 2023;32(11):3704-3712. doi:10.1007/s00586-023-07927-7

[7] **Levett JJ**, Elkaim LM, Weber MH, Yuh S, Lasry O, Alotaibi NM, Georgiopoulos M, Berven SH, Weil AG. A twitter analysis of patient and family experience in pediatric spine surgery. *Childs Nerv Syst*. 2023;39(12):3483-3490. doi:10.1007/s00381-023-06019-7

[8] Elkaim LM, **Levett JJ**, Niazi F, Alvi MA, Shlobin NA, Linzey JR, Robertson F, Bokhari R, Alotaibi NM, Lasry O. Cervical Myelopathy and Social Media: Mixed Methods Analysis. *J Med Internet Res*. 2023;25:e42097. doi:10.2196/42097

[9] Alvi MA, Elkaim LM, **Levett JJ**, Pando A, Roy S, Samuel N, NM Alotaibi, Zadeh G. Current Landscape of Social Media Use Pertaining to Glioblastoma by Various Stakeholders. *Neurooncol Adv*. 2023;5(1):vdad039. doi:10.1093/noajnl/vdad039

[10] **Levett JJ**, Turcotte RE, Jung S, Antoniou J, Huk OL. Osteosarcoma Around a Ceramic-on-Ceramic Total Hip Arthroplasty. *Arthroplast Today*. 2023;19:101094. doi:10.1016/j.artd.2022.101094

[11] Elkaim LM, Niazi F, **Levett JJ**, Bokhari R, Gorodetsky C, Brietbart S, Alotaibi F, Alluhaybi AA, Weil AG, Fallah A, Alotaibi NM, Ibrahim GM. Deep Brain Stimulation in Children and Youth: Perspectives of Patient and Caregivers Gleaned through Twitter. *Neurosurg Focus*. 2022;53(4), E11. doi:10.3171/2022.7.FOCUS22276

WORKING PAPERS	[1] **Levett JJ**, Elkaim LM, Zukor DJ, Huk OL, Antoniou J. Perspectives Surrounding Robotic Total Hip Arthroplasty on Social Media: A Cross-sectional Analysis using Natural Language Processing. [Accepted at *Canadian Journal of Surgery*]
	[2] Staunton P, **Levett JJ**, Alnasser A, Drager J, Pauyo T. Surgical Management of Habitual Habitual Patellar Dislocation: Quadricepsplasty, Medial Plication, and Baguette Molle. [Accepted at *Video Journal of Sports Medicine*]
	[3] **Levett JJ**, Alnasser A, Teoli A, Martel S, Robbins S, Huk OL, Zukor DJ, Antoniou J . Long-Term Impact of Physical Activity and Sports Participation on Implant Integrity in Resurfacing Hip Arthroplasty Versus Total Hip Arthroplasty: A Systematic Review. [Under review]
	[4] **Levett JJ**, Alnasser AM, Barak U, Elkaim LM, Hoang T, Alotaibi NM, Guha D, Weil AG, Weber MH. Radiation Exposure and Dose Estimates of Robot-Guided Versus Fluoroscopy-Guided Spinal Fusion: A Meta-Analysis of Randomized Controlled Trials. [Under review]
	[5] Almanna MA, Elkaim LM, **Levett JJ**, Alvi M, Li B, Mamdani M, Al-Omran M, Alotaibi NM. Public Perception of the Brain-Computer Interface: Insights from a Decade of Data on X. [Under review]
	[6] Shearer KT, Vandewint AL, **Levett JJ**, Mulpuri K, Ferguson P, Bardana DB. Evaluating virtual pre-CaRMS information sessions for Canadian orthopaedic surgery residency programs: Insights from a national webinar series. [Under review]
	[7] **Levett JJ**, McIntosh G, Alshammari A, Fisher C, Jacobs B, Bailey CS, Charest-Morin R, Paquet J, Manson N, Hall H, Thomas KC, Rampersaud R, Dea N, Weber MH. Postoperative Significance of Delayed Surgical Treatment in Patients with Degenerative Cervical Myelopathy: A Multicenter Cohort Study from the Canadian Spine Outcomes Research Network. [Manuscript in preparation]
	[8] Almanna M, Levett JJ, Elkaim LM, Robertson F, Linzey J, Graffeo C, Alotaibi NM. A New Era of Neurosurgical Social Media. [Under review]
	[9] **Levett JJ**, Bozzo I, Bergeron A, Park PJ, Martel S, Harvey EJ, Pauyo T. Diagnosis and Management of Chronic Exertional Compartment Syndrome: A Review of Current Evidence. [In progress]
	[10] **Levett JJ**, Bozzo I, Achkar J, Park PJ, Drager J, Bernstein M, Pauyo T. Validation of a Clinical Algorithm for the Treatment of Patellofemoral Instability in the Pediatric Population: A Retrospective Study. [In progress]
	[11] Levy BB, **Levett JJ**, Veroniki A, Perrier L, Luong D, Farkouh ME, Bayley MT, Simpson R, Munce SEP. Primary Prevention of Cardiovascular Disease for Adults with Disabilities: A Systematic Review and Network Meta-analysis. [Under review]
PREPRINTS	[1] **Levett JJ**, Elkaim LM, Alotaibi NM, Lasry O, Weber MH, Weil AG. Patient and Family Experience in Pediatric Spine Surgery: A Social Media Analysis. 2022.
RESEARCH PRESENTATIONS	[1] **Levett JJ**, Alnasser AM, Drager J, Pauyo T. Anterior Cruciate Ligament Injury Prevention on Social Media: A Cross-Sectional Analysis of Public Awareness and

Engagement. COA | CORS | CORA Annual Meeting. Halifax, NS. June 12, 2024.

[2] Georgiopoulos M, **Levett JJ**, Martel S, Foroglou N, Santaguida C, Weber MH, Golan JD, Aoude A, Jarzem P, Ouellet JA, Demetriades A. Pharmaceutical Therapy of Degenerative Cervical Myelopathy: A Critical Review of the Literature. Global Spine Congress. Bangkok, Thailand. May 15, 2024.

[3] **Levett JJ**, Alnasser A, Barak U, Elkaim LM, Hoang T, Alotaibi NM, Guha D, Moss IL, Weil AG, Weber MH. Meta-Analysis of Randomized Controlled Trials Comparing Radiation Exposure and Dose Estimates of Robot-Guided Versus Freehand Spinal Fusion. 24th Annual Conference of the Canadian Spine Society Conference. Whistler, BC. February 28, 2024.

[4] **Levett JJ**, Alnasser A, Barak U, Elkaim LM, Hoang T, Alotaibi NM, Guha D, Moss IL, Weil AG, Weber MH. Meta-Analysis of Randomized Controlled Trials Comparing Radiation Exposure and Dose Estimates of Robot-Guided Versus Freehand Spinal Fusion. Annual American Academy of Orthopaedic Surgeons (AAOS) Meeting. San Francisco, CA. February 15, 2024.

[5] **Levett JJ**, Alnasser A, Barak U, Elkaim LM, Hoang T, Alotaibi NM, Guha D, Moss IL, Weil AG, Weber MH. Radiation Exposure and Dose Estimates of Robot-Guided Versus Freehand Spinal Fusion: A Meta-Analysis of Randomized Controlled Trials. McGill University Division of Orthopaedic Surgery Research Night. October 23, 2023.

[6] **Levett JJ**, Elkaim LM, Niazi F, Weber MH, Ioro-Morin C, Bonizzato M, Weil AG. Invasive Brain Computer Interface for Motor Restoration in Spinal Cord Injury: A Systematic Review. 23rd Annual Conference of the Canadian Spine Society Conference. Québec, QC. March 1-4, 2023.

[7] **Levett JJ**, Elkaim LM, Alotaibi, NM Weber MH, Abd-El-Barr MM, Dea N. Publication Retraction in Spine Surgery: A Systematic Review. 23rd Annual Conference of the Canadian Spine Society Conference. Québec, QC. March 1-4, 2023.

[8] **Levett JJ**, Elkaim LM, Niazi F, Shlobin NA, Bonizzato M, Weber MH, Weil AG. Une revue systématique des interfaces cerveau-ordinateur pour le traitement des lésions médullaires. Congrès annuel de l'Association de neurochirurgie du Québec. Québec, QC. November 4, 2022.

[9] Niazi F, **Levett JJ**, Elkaim LM, Alotaibi NM, Lasry O, Hodaie M. Décompression microvasculaire pour la névralgie du trijumeau : l'analyse des sentiments des patients à l'aide du traitement automatique du langage. Congrès annuel de l'Association de neurochirurgie du Québec. Québec, QC. November 4, 2022.

[10] **Levett JJ**, Elkaim LM, Niazi F, Shlobin NA, Bonizzato M, Weber MH, Weil AG. Brain computer interface for spinal cord injury in human and animal models: a systematic review. McGill Neurosurgery Research Day. Montreal, QC. June 17, 2022.

[11] Elkaim LM, **Levett JJ**, Niazi F, Bokhari R, Lasry O, Alotaibi NM. Cervical myelopathy and social media: a mixed methods analysis. McGill Neurosurgery Research Day. Montreal, QC. June 17, 2022.

[12] Niazi F, Mehdy N, Khomami Z, **Levett JJ**, Elkaim LM. An analysis of Twitter use related to trigeminal neuralgia. McGill Neurosurgery Research Day. Montreal, QC. June 17, 2022.

[13] Levy BB, **Levett JJ** , Perrier L, Munce SEP . Primary prevention of cardiovascular disease for adults with disabilities: a systematic review and meta-analysis. University of Toronto Temerty Faculty of Medicine Research Day. Toronto, ON. February 22, 2022.

REVIEWER

Invited to contribute to peer-review of manuscripts submitted for publication to the following journals:
-    *Neurosurgery* (IF: 5.315)

MEDIA

Print (Newspapers, Magazines)

[1]   The Suburban, Sixteen Montreal area students stand out at Super Expo-sciences Québec Regional Science & Technology Fair, May 11, 2019.

Broadcast Media (TV, Radio)

[1]   Global News, Montreal students heading to Abu Dhabi for science fair competition, April 26, 2019.

Internet

Vanier College Television, Vanier Student Jordan Levett, 7 prize Winner at the Montreal Regional Science Fair, April 6, 2021.

LEADERSHIP

2018-2022	President of Volunteers, Friendship Circle of Montreal. Montreal, Canada.
2021-	Canadian Medical Association Ambassador. Canada.
2019-2020	*Sign and Shine*. Co-founder of sign language course offered at Friendship Circle.

SKILLS & HOBBIES

Sports: hockey, tennis & ski.

Software development: Python, HTML, CSS, JavaScript, C++, Cypher querying.

Magic: self-taught. Performed and instructed magic to children with special needs.