

Seung Heyck (Alex) Lee

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EDUCATION

Doctor of Medicine (MD) Sept 2022 – May 2026
University of Ottawa, Ottawa, ON

Bachelor of Medical Sciences (BMSc) Sept 2017 – Apr 2021
Honors Specialization in Physiology with Distinction (Thesis)
Western University, London, ON

PROFESSIONAL EXPERIENCE

Clinical Research Assistant under Dr. Peter Tanuseputro
Division of Palliative Care, Ottawa Hospital Research Institute, Ottawa, ON

- Coordinate recruitment and conduct qualitative interviews with primary care physicians on the impacts of language/cultural discordant on palliative care for linguistic minority groups.
- Draft manuscript and grant submissions through literature reviews and lead thematic analysis with research team using MAXQDA.

Research Student under Dr. York Pei Aug 2019 – April 2023
Division of Nephrology, Toronto General Hospital, Toronto, ON

- Evaluate accuracy of kidney health biomarkers by visiting clinics and managing data collection of 500 patients through hospital records for lab assessments, demographics, and clinical histories.
- Identified comorbid causes of mild kidney disease yet low kidney function through consultations with clinician-scientists, data audits on Excel, and cross-sectional analysis of health variables.

Undergraduate Research Fellow under Dr. Louise Moist May 2020 – March 2023
Division of Nephrology, London Health Sciences Centre, London, ON

- Designed study protocol, survey, and interview guide on patient satisfaction with telemedicine during COVID-19 through literature review and consultations with health practitioners.
- Managed ethics submissions, collected 250 survey data points, and interviewed 12 patients with CKD from Southwestern Ontario region.

High School Science Teacher April 2022 – June 2022
SuOn International Academy, Toronto, ON

- Developed effective learning materials and evaluations in grade 12 Chemistry and Biology to nurture academic success and university preparedness for Chinese international students.

Barista Oct 2021 – May 2022
Starbucks, Thornhill, ON

- Collaborated with shift supervisors to quickly recognize, adjust, and respond to customer needs in empathetic ways using Starbucks' LATTE method for excellent service.

Honors Thesis Student under Dr. Jessica Grahm Sept 2020 – June 2021
Music & Neuroscience Lab, Western University, London, ON

- Evaluated different learning strategies for differentiating musical styles of composers by designing an online psychology trial using PsychoPy and managing data collection from 140 participants.
- Delivered research presentations and a thesis paper by conducting literature review on music education, and mixed analysis of test performance and participant self-judgments using R.

EXTRACURRICULARS

Co-Lead

Navigating Ottawa Resources to Improve Health (NORTH) Clinic, Ottawa, ON January 2023 – Present

- Coordinate social prescribing clinics to connect underserved families to social resources alongside medical student leads, faculty clinicians, and social workers at Vanier Social Pediatrics Hub.
- Develop survey tools and curate a social pediatrics report to evaluate impact of clinic on patients' social lives and student volunteers' learning opportunity on social medicine.

Interest Group Executive for Public Health & Technology in Medicine August 2023 – Present
Aesculapian Society, University of Ottawa, Ottawa, ON

- Coordinate speaker events and field trips to

Technology Mentor

Connected Canadians, Ottawa, ON January 2023 – Present

- Advocate for technology literacy in elderlies by leading group workshops and one-on-one sessions on topics such as using Zoom, emails, and navigating new electronic devices.

Foundations in Leadership Program September 2022 – Present
University of Ottawa, Ottawa, ON

- Participate in monthly workshops on applying different leadership styles in clinical settings, leading conflict resolutions within teams, and practicing communication skills in mock OSCEs.

Science Writer July 2022 – April 2023
Raw Talk Podcast, Toronto, ON

- Collaborate with content creators and show hosts to curate companion articles for podcast episodes to advocate or raise awareness on pressing health topics.

Peer Writing Advisor Sept 2019 – Dec 2021
Writing Support Center, Western University, London, ON

- Developed effective learning strategies with culturally-diverse students in writing and communication skills through one-on-one appointments.

Co-President and Research Team Leader Aug 2019 – Sept 2021
Canadian Organization for Undergraduate Health Research, London, ON

- Led career events and online campaigns to advocate for equitable access to health research. Partnered with a Principal Investigator to mentor 6 underserved students to do supervised systematic review projects in the summer.
- Spearheaded an online initiative during the pandemic with 25 students to create infographics for explaining COVID-19 topics for lay public and evaluating them as a valid tool for scientific communication via survey. Website: <https://www.inscight.ca/staying-current-with-covid/>

Editor-in-Chief and Senior Writer June 2019 – Apr 2021
Science Students' Council (thecurrentssc.com), Western University, London, ON

- Supervised 80+ publications by collaborating with writers, artists, and council members for engaging readers in healthy dialogues on social issues, science, university transition.

HONOURS, SCHOLARSHIPS, AWARDS

Young Professional Award Apr 2022

Association of Korean Canadian Scientists and Engineers

- Awarded to 5 Korean-heritage postgraduates in Canada with impactful STEM research experience and service for Korean community. Participated in Young Professional Forum 2022 at Seoul.

Dean's Undergraduate Research Opportunity Program (DUROP)

May – August 2021

Schulich School of Medicine & Dentistry, Western University

- Summer research fellowship (\$6000) in quality improvement of virtual healthcare with Dr. Louise Moist at London Health Sciences Center.

First Place Award for Best Poster Presentation

Aug 2019

Institute of Medical Science, University of Toronto

- Awarded to 11 presenters based on design, presentation skills, research topic & answers to questions at the 2019 Summer Undergraduate Research Program Research Day

Summer Undergraduate Research Program (SURP) Joint Funding Award

May – Aug 2019

Institute of Medical Science, University of Toronto

- Summer research studentship (\$4800) in clinical epidemiology of hereditary kidney diseases with Dr. York Pei at Toronto General Hospital.

PUBLICATIONS

Lee, S. H., Ramondino, S., Gallo, K., & Moist, L. M. (2022). A Quantitative and Qualitative Study on Patient and Physician Perceptions of Nephrology Telephone Consultation During COVID-19. *Canadian Journal of Kidney Health and Disease*. <https://doi.org/10.1177/20543581211066720>

Lee, S. H., Pandya, R., Hussain, J., Lau, R., Chambers, E., Geng, A., Jin, B., Zhou, O., Wu, T., Barr, L., & Junop, M. (2022) Perceptions of using infographics for scientific communication on social media for COVID-19 topics: A survey study. *Journal of Visual Communication in Medicine*. <https://doi.org/10.1080/17453054.2021.2020625>

Akbari, P., Nasri, F., Deng, S., Khowaja, S., **Lee, S. H.**, Warnica, W., Lu, H., Rattansingh, A., Atri, M., Khalili, K., & Pei, Y. (2022). Total kidney volume measurements in autosomal dominant polycystic kidney disease by 3D and ellipsoid ultrasound. *Clinical Journal of American Society of Nephrology*. <https://doi.org/10.2215/CJN.14931121>

Illiuta, I. A., Win, A. Z., Lanktree, M. B., **Lee, S. H.**, Pourafkari, M., Nasri, F., Guiard, E., Haghighi, A., He, N., Ingram, A., Quist, C., Hillier, D., Khalili, K., & Pei, Y. Atypical polycystic kidney by imaging. *Scientific Reports*. <https://doi.org/10.1038/s41598-022-24104-w>

PRESENTATIONS

Lee, S. H., Lagace-Cusiatic, R., & Grahn, J. (June 2021). The effect of contextual interference and feedback on learning composers' musical styles. E-poster at the 2021 Canadian Society for Brain, Behaviour and Cognitive Science Conference, online.

Lee, S. H., Pandya, R., Hussain, J., Lau, R., Chambers, E., Geng, A., Jin, B., Zhou, O., Wu, T., Barr, L., & Junop, M. (May 2021). Infographics as an effective method of scientific communication with social media users for COVID-19 topics: A survey study. E-poster at the 2021 London Health Research Day, Lawson Health Research Institute, online.

Lee, S. H., Ahmed, S. E., Akbari, P., Pourafkari, M., Hassan, M. T., Illiuta, I. A., Quist, C., & Pei, Y. (Aug 2019). Heterogenous causes in patients with mild autosomal dominant polycystic kidney disease and low kidney function. Poster at 2019 Summer Undergraduate Research Program Research Day, University of Toronto, ON.

Languages: Fluent in English, Korean, and Mandarin

Skills: Excel, REDCap, MAXQDA

Interests: Intramural basketball, Swimming, Movie blog (theleeview.wixsite.com/uwo2021)