

Sina Sayyad

(647)-703-2005 | sinasayyad9@gmail.com | 21SS52@queensu.ca | [LinkedIn](#)

EDUCATION

- University of Toronto Temerty Faculty of Medicine | Doctor of Medicine (MD) | Class of 2029
 - Queen's University | Bachelor's of Health Sciences, Honours, with Distinction | Class of 2025 | cGPA: 3.99/4.00
 - Newmarket High School | September 2017 to July 2021 GPA: 99.5
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RESEARCH

[Researchgate](#)

May 2025 - Present | **Research Coordinator - DFCM Medical Education Office** | Temerty Medicine

- Under the direction of Dr. Fok-Han Leung, coordinate research projects for the Department of Family and Community Medicine Medical Education Office. Currently overseeing the completion of a study comparing AI-generated vs. real ECG images for resident physician testing purposes, alongside a study comparing AI-generated vs. real OSCE scripts.
- AI ECG REB approved - currently in recruitment phase for first substudy. Manuscript writing stage for OSCE study.

June 2024 - Present | **Researcher Assistant - EPIX lab** | Queen's University Department of Public Health Sciences

- Co-authored a narrative review of 95 studies titled "How has aggregated mobility data (AMD) informed public health research?" to address literature gaps in AMD use for public health decision-making (*3rd author publication*).
- Currently conducting a qualitative case study on adoption of the SPRITE outreach syphilis point-of-care testing and treatment framework by decision-makers in Southeast Ontario Public Health Unit in collaboration with 5 others, aiming to reduce the 700% rise in local syphilis rates, especially among those experiencing homelessness and persons who use drugs.
 - Apply PRISM and RE-AIM frameworks; conduct semi-structured and focus group interviews w/ public health and
 - community-based organizations staff; performing thematic analysis w/ MDs, clinician scientists & 4 co-researchers
 - Point of contact with 6 community based organizations as a part of the study
 - Outreach to participants to recruit and gain informed consent of 7 participants
- **SPRITE study accepted for oral presentation at the STI & HIV World Congress 2025, awarded a \$3,000 CIHR travel grant.**

July 2025 | **Oral Presentation** | STI & HIV World Congress 2025

- Funded by the CIHR Travel Grant, presented final findings from "Barriers and Facilitators to Adopting a Syphilis 'Rapid Test and Immediate Treatment' Outreach Model of Care in a Southern Ontario Public Health Unit" to 100+
- The published abstract can be found [here](#), with the title: "OA19.03 – Contextual Facilitators to Public Health Units' Adoption of the Rapid Syphilis "Test and Treat" Outreach Model of Care."

March 2025 | **Oral Presentation - Inquiry @ Queen's** | Queen's University

- Presented preliminary findings from "Barriers and Facilitators to Adopting a Syphilis 'Rapid Test and Immediate Treatment' Outreach Model of Care in a Southern Ontario Public Health Unit"
- The program can be found [here](#), with the abstract on page 44.

July 2024 - June 2025 | **Researcher - Housing Equity Project** | Stanford University

- Collaborate with Stanford MDs/faculty to find literature gaps on persons experiencing homelessness in California, and determine overrepresented demographics among the group. Currently in the literature review stage.

May 2024 | **Student Presenter - RJ Brison Emergency Medicine Research Poster Day** | Queen's University Department of Emergency Medicine

- Present "Emergent and Urgent Care Experience Stories of Persons Experiencing Homelessness or Housing Vulnerability" to 15 emergency MDs, pitching novel care framework to maximize contextually-sensitive urgent care experiences
- Raise awareness of the unique struggles, inequities, & facilitators faced by persons experiencing homelessness to accessing appropriate care.

April 2024 | **Student Poster Presentation** | Queen's University Department of Biomedical Sciences Research Poster Day

- Utilize SPSS, NVIVO, and Braune and Clarke Thematic Synthesis framework to analyse & organize data & tables.
- Present to 10+ providers and policy makers on how to equitably care for persons experiencing homelessness with a low barrier, wrap-around, primary-care framework.

November 2023 - September 2024 | **Research Assistant** | St. Michael's Hospital, Unity Health Network

- Supported the Canadian Hospitals Injury Reporting and Prevention Program (CHIRPP), utilizing Soarian, Citrix, and Health Canada's CNPHI networks.
- Completed onboarding & research ethics certifications (GCP, TCPS2) to access/extract data from emergency room patient files.
- Reviewed and coded 200+ ER visits into CNPHI, flagging relevant reports for senior researchers based on program inclusion criteria.

June 2023 - May 2024 | **Wilson Lab Research Assistant** | Queen's University

- Completion of a self-directed literature review, discovering lack of literature on the lived experience of persons experiencing homelessness (PEH) and using drugs (PWUD) with healthcare in small, urban areas.
- Addressed this gap through qualitative analysis of 140+ PEH and PWUD interviews from the Queen's Emergency Medicine Reconnect Study, generating 5 themes and a framework of barriers and facilitators to contextually-sensitive, patient-centred healthcare for these populations.
- Utilized Braune and Clarke thematic synthesis framework, SPSS, and NVIVO for analysis.
- Presented at two conferences to decision-makers, community members, and emergent/urgent MDs.

WORK EXPERIENCE

February 2026 - Present | **Research Assistant** | Schwartz/Reisman Emergency Medicine Institute

- Recruit ER patients into various SREMI projects - currently recruiting for the Chest Pain Study
- Review patient EMR charts, select patients that meet eligibility criteria, and collaborate with physicians to enroll them into the study

September 2024 - January 2026 | **PHGY 170, PHGY216, PHGY215 Head TA & Instructor** | Queen's University

- Lead and collaborate with 11 TA's to deliver the course to 400+ undergraduates; hold grading orientations to foster TA growth
- Demonstrate problem solving through the creation of grading rotations and longitudinal TA grading averages to minimize inter-rater variability, alongside creating contingency plans to adapt to the current PSAC graduate TA strike.
- Hold and mentor students during Head TA office hours to ensure their continued success and enjoyment of the course

June 2025 - August 2025 | **Quality Assurance & Regulatory Affairs Research Associate** | Prollenium Medical Tech.

- Conducting narrative review of the literature to identify all adverse events (as found in literature and not yet explored) of polydeoxyribonucleotide (PDRN - also known as "salmon sperm") in cosmetics
- Leading design, completion, and thematic analysis of semi-structured interviews and focus groups of clinics using PDRN-containing company product to identify product risks and risk mitigations

- Will generate recommendations for injector and sales training alongside product disclosures to minimize adverse events

May 2024 - May 2025 | **Co-Editor-in-Chief of Queen's Science Undergraduate Research Journal** | Queen's University

- Lead and collaborate with 25 members across 6 departments to highlight undergraduate research at Queen's University.
 - Co-created marketing and outreach campaigns for 2 events, amassing over 200+ registrations and 100 attendees
- Liaison with faculty and senior researchers at Queen's University VPR to enhance research accessibility with undergraduate workshops and student-faculty networking events.
- Incorporate team perspectives to produce our interdisciplinary 8th end of year issue, available [here](https://doi.org/10.71044/qsuri.v8i) (<https://doi.org/10.71044/qsuri.v8i>).

September 2023 - September 2024 | **PHGY 170 BLN, PHGY 215 ONL, PHGY 216 ONL TA** | Queen's University Faculty of BHSc

- Grade 1000+ assignments and 300+ exams, along with assisting Dr. Christopher Ward with in-class sessions. Provide tailored feedback to students to ensure their growth and success in the course.

August 2023 - April 2024 | **Queen's AMS Brand Ambassador** | Queen's University Alma Mater Society

- Increase awareness and success of the Alma Mater Society while incorporating EDII-A via: social media campaigns, boothing, and banners.
- Utilize booths to intake and incorporate student opinions and wants from their student government. Correspond with AMS executives and the 13 services under the AMS regularly.
- Led collaborations with 2 cultural clubs.

April 2023 - September 2023 | **Administration Intern** | Prolenium Medical Tech.

- Worked directly under the CEO and Founder of the company within an interdisciplinary role.
- Led a significant role in the Marketing and Sales, managing the social media of the company, creating content and campaigns for social media platforms (pitching campaigns, finding gaps in social communications, responding to messages, photography and videoing to capture content)
 - Led the "Behind the Syringe" series and all content creation from May 10 to September 20, 2023 amassing over 100,000 views on Reels & resulting in 201% rise in Instagram engagement.
 - Utilized: Facebook Ad Manager, Facebook and Instagram Analytics, programmed messaging on Instagram, Canva, and generative AI to create unique visuals for content
- Aid senior lawyers in mergers and acquisitions with SoftFill inc..

August 2022 - May 2025 | **Research Associate and Business Developer** | Synhitech Inc.

- Log and maintain inventory, utilize various lab equipment to aid the 10+ start-ups utilizing Synhitech Inc. laboratory space, including a \$5k expansion collaboration with Venture Lab, a Toronto-based non-profit.
- Aiding in the market analytics and creation of a collegiate institution taught by company personnel along with bringing a novel diabetes therapeutic to the market.

May 2022 - August 2022 | **Summer Quality Assurance Intern - FDA & Health Canada Adverse Event Project** | Prolenium Medical Tech.

- Collaborated with the Director of QA and senior department members to produce an FDA, Health Canada-Adverse Event study analyzing 65+ cosmetic product Adverse Events.
- Created a sales tool for medical directors & sales personnel to reduce AEs, contributing to 25% reduction in AEs.
- Conclusions and statistical data were utilized to inform product manufacturing, packaging, and sales.

July 2021 - August 2022 | **Summer Quality Control Student Intern** | Prolenium Medical Tech.

- Prepared QC & QA asset documentation.

- Watched & assisted senior Chemists perform laboratory tests (e.g., osmolality testing, titrations, viscosity tests, & HA testing).
- Performed essential start-of-day tasks (e.g., testing the water filter and scale calibrations, filling out the calibration paperwork, cleaning laboratory equipment and glassware).
- Created tracking spreadsheets for QC paperwork and new equipment.

September 2019 - July 2020 | **High School Co-operative Education Student** | PACE Cardiology

- Applied learned tasks from supervisors and technicians to conduct ECGs and Holter Monitor placements for 25+ patients, along with EMR documentation for 100+ patients.
- Designed an ICD codes chart utilizing medical terminology, and SOAP report for the entire clinic, now implemented within the clinic's internal system.

EXTRACURRICULARS

June 2025 - Present | **Steering Committee Member at Large** | Health Providers Against Poverty

- Attend monthly meetings and aid in numerous community and scholarly projects conducted by an interdisciplinary team of allied healthcare professionals to enhance health equity within Ontario.

May 2025 - Present | **Volunteer - Community Outreach and Education Scholarship - HC** | Temerty Faculty of Medicine

- Collaborate with Dr. Fok Han Leung, the Medical Examiner of the Health in the Community program, alongside members of the foundations curriculum development
- Develop, expand, and optimize the Community Engaged Experience (CEE) program completed by medical students, recruiting community agencies that serve equity deserving groups.

January 2025 - Present | **Pro-Bono Barber** | Inn From the Cold Kingston Shelter

- Collaborate with a fellow barber to deliver bi-weekly haircuts to the un(der)housed residents at the shelter.
- Utilize non-stigmatizing language and create non-judgmental, comfortable spaces for the clients, creating longitudinal relationships and open communication to ensure satisfactory results.
- Currently leading a collaboration between St. Lawrence College and Home Base Housing to continue this initiative on a larger, community-wide scale.

January 2024 - April 2025 | **Bounce Back Mentor** | Queen's University Student Academic Success Services

- Completed training in sensitivity, academic mentorship, and goal-setting before being paired with mentees.
- Develop personalized GPA improvement plans for 3 mentees/year, with weekly check-ins and study sessions.
- Share academic resources (e.g., notes, Anki decks) and adapted plans based on progress.
- Led 10+ workshops for 50+ on academic success strategies.

October 2023 - April 2024 | **Editor** | Queen's Jugular Health Sciences Magazine

- Review and critique 30+ submissions for the publication utilising writing and EDII-A criteria developed with a collaborative team of 30+ staff writers and editors.
- Provide one-on-one mentorship with writers to ensure their submission meets requirements prior to publishing. Worked 1 on 1 with 3 authors to enhance final submissions.

May 2023 - Feb 2024 | **Assistant Lifestyle Editor** | Queen's Journal

- Wrote multiple articles weekly for the Lifestyle section of the Journal, honing my written communication to unique audiences.
- Underwent the formal copy-editing procedure with multiple review & revising rounds.
- Aided in the management of contributors to the lifestyle section and edit any post made to the section prior to publishing.
- My portfolio is [here](#).

June 2019 - September 2021 | **Co-Founder/Co-President of English Language Learner's Alliance (ELLA)** | Newmarket High School

- Collaborated with the Principal, ESL instructor, and 20 ESL students to create the program.
- Overcame communication barriers through vulnerability, creating common ground, and a combination of drawing, hand-signals, and translators.
- Bridged student-voiced ESL gaps like amotivation & isolation & empowered students via tailored tutoring, mentoring, multilingual events, & socials.

VOLUNTEER EXPERIENCE

January 2024 - April 2025 | **Parkside 1 and 2 Co-Lead & Friendly Visiting** | Providence Care Hospital

- Partner with 10+ staff to promote physical activity, healthy diets, and cognitive stimulation for 30+ seniors.
- Brainstorm and Co-Lead activities (puzzles, nail painting, mini-bowling, drawing, charades, etc.) for older adults with mental health disorders in Parkside 2 (Older Adult Mental Health Inpatient Unit).
- Improve normalcy and patient resilience via one-on-one conversation & card magic in Parkside 1 (Older Adult Rehabilitation Inpatient Unit).
- Take residents off-hospital site for short periods for walks and activity; aid in transfer of patients from bed-to-bed, bed-to-wheelchair/walker & vice versa and move patients in wheelchairs around the facility.

September 2019 - January 2020 | **Musculoskeletal Unit Volunteer** | Southlake Regional Health Centre

- Aid 15+ hospital personnel (MDs, RNs, LPNs) deliver care
- Provided 1:1 visits to check on patients, re-stacked PPE both in patient rooms and unit inventory office, empty and re-bag bins
- Cleaned metal surfaces using solutions and followed appropriate IPAC procedures

March 2019 - January 2020 | **Interactive Social Night Assistant** | Community Living Central York

- Partner with 25+ teens with developmental disabilities for a weekly social to create an enjoyable experience while maintaining confidentiality. Led educational & physical activities.

July 2019 - September 2019 | **South Asian Adult Day Program Volunteer** | Community & Home Assistance to Seniors

- Partnered with 10+ staff to promote physical activity, healthy diets, and cognitive stimulation for 30+ seniors. Set-up prayer equipment for elders

April 2019 - August 2019 | **Executive Committee Member At York Region Food Conference** | York Region Food Network

- In a team of 6, Co-organized & ran York Region Food Network's food festival, raising awareness & presenting solutions for food insecurity in the York Region community.

ACHIEVEMENTS, CERTIFICATIONS & SKILLS

- Bilingual (fluent in English and Farsi) with extensive knowledge of Google and Microsoft Office platforms.
- Able to use SPSS, NVivo, Qualtrix as other data gathering/analysis sources
- TCPS2, WHMIS certified
- IPAC trained as a part of numerous work and extracurricular experiences' onboarding.
- Graduated Bhsc with Distinction - denoting academic performance amongst the top 3% of graduating cohort
- Undergraduate Learning Track Excellence Award - Global and Population Health

- Completion of Ontario's Occupational Health & Safety Training, Southeast Ontario Public Health Unit's training (e.g., Integrated Accessibility Standards Regulation, Cybersecurity & Privacy, PHIPA) and Queen's University Anti-Racism, Accessible Customer Service, and Health & Safety Awareness Training

References: Available upon request