

Mohammad Jahedul Hoque Shahin

PhD student in Educational Research (Leadership)
Werklund School of Education · University of Calgary

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Public curriculum vitae · October 2026

I am a PhD student in Educational Research (Leadership) at the University of Calgary. My work connects AI and assessment, educator wellbeing, and mixed-methods inquiry, informed by teaching experience in Bangladesh and Canada.

Education

2025–2028 expected

PhD in Educational Research (Leadership)

University of Calgary, Canada · In progress. Supervisor: Dr. Donald Scott.

2025

MA in Educational Research (Leadership)

University of Calgary, Canada

2020

Master of Public Policy

Meiji University, Tokyo, Japan · Government of Japan full scholarship.

2009

Master of Social Science in Government and Politics

Jahangirnagar University, Bangladesh

2008

Bachelor of Social Science in Government and Politics

Jahangirnagar University, Bangladesh

Research experience

September 2026–present

Assessment innovation in the era of AI

Graduate Research Assistant

SSHRC Insight Development Grant: Instructors' Assessment Innovations in the Era of AI. Werklund School of Education, University of Calgary. Principal investigator: Dr. Nadia Delanoy.

- Build survey and consent instruments in Qualtrics.
- Prepare site-specific versions and support pilot testing.

October 2025–present

AI, academic integrity and assessment

Graduate Research Assistant

Artificial Intelligence, Academic Integrity and Assessment in Education (AI³), Werklund School of Education, University of Calgary.

- Develop database searches and support inter-rater screening calibration.
- Maintain PRISMA tracking and undertake data extraction.
- Support deductive coding and evidence synthesis using JBI and PRISMA-ScR guidance.

April 2026–present

Equity and accessibility in engineering education

Graduate Research Assistant

Taylor Institute for Teaching and Learning Grant, Department of Chemical and Petroleum Engineering, Schulich School of Engineering, University of Calgary. Principal investigator: Dr. Adria Lotus.

- Contribute to data collection, analysis, and knowledge dissemination.
- Assist in developing and reviewing learning assessment frameworks and research instruments.

February 2025–present

Student-on-student violence in Alberta schools

Graduate Research Assistant

Student-on-Student Violence in Alberta's Schools, Werklund School of Education, University of Calgary. Research lead: Dr. Meadow Schroeder.

- Contribute to literature review and survey instrument development.
- Support research ethics documentation and Qualtrics instrument design.
- Contribute to SPSS-based data analysis.

September 2024–April 2026

Integrated School Support Program

Graduate Research Assistant

Integrated School Support Program (ISSP), Werklund School of Education, University of Calgary.

- Conduct interviews and focus groups with teachers, administrators, and mental-health professionals.
- Coordinate recruitment and scheduling.
- Contribute to program evaluations and maintain records under approved ethics protocols.

April 2024–April 2025

Educator wellbeing over three years

Graduate Research Assistant / Quantitative Data Analyst

Mobilizing HEARTcare, SSHRC-funded research on educator wellbeing, Werklund School of Education, University of Calgary. Publication coauthors: A. H. Kendrick, M. K. Tay, and M. J. H. Shahin.

- Conduct SPSS-based descriptive and comparative analyses.
- Prepare statistical reports for the research team.
- Coauthor the resulting peer-reviewed article in Healthcare (2025).

May–December 2025

Reflective practice and case conceptualization

Graduate Research Assistant

Reflective Practice Study, School Psychology Program, Centre for Wellbeing in Education, Werklund School of Education, University of Calgary.

- Facilitate focus groups and coordinate recruitment, scheduling, and consent processes.
- Prepare and clean qualitative datasets in NVivo.
- Contribute to synthesis for dissemination.

April–August 2024

Immersive learning and student engagement

Graduate Research Assistant

Immersive Learning and Student Engagement Project, Werklund School of Education, University of Calgary. With Dr. Jennifer Lock and Dr. Carol Johnson, University of Melbourne.

- Conduct literature reviews following team search protocols.
- Screen articles against inclusion and exclusion criteria.

October 2023–August 2024

Imagination and problem solving in engineering

Graduate Research Assistant

Department of Mechanical Engineering, Schulich School of Engineering, University of Calgary. With Dr. Simon Li. Publication coauthors: Simon Li, Ahmad Ghasemloonia, and Roes Arief Budiman.

- Prepare and submit a full research ethics application and maintain TCPS 2-compliant documentation.
- Design quantitative survey instruments and administer data collection with 111 participants.
- Prepare SPSS reports that contributed to the peer-reviewed publication (2026).

Publications and conference presentations

Shahin, M. J. H., Li, S., Ghasemloonia, A., & Budiman, R. A. (2026). Self-perceived imagination and conceptual problem solving in engineering dynamics. *European Journal of Engineering Education*.

<https://doi.org/10.1080/03043797.2026.2662337>

Kendrick, A. H., Tay, M. K., & Shahin, M. J. H. (2025). Three-year quantitative study of compassion satisfaction and fatigue among teachers and educational workers in Alberta, Canada. *Healthcare*, 13(3), 226.

<https://doi.org/10.3390/healthcare13030226>

Drefs, M., Hicks, K., Shahin, M., & Lupo-Flewelling, K. (February 2026). Peer reflecting teams as a training method to strengthen case conceptualization skills [Poster presentation]. Trainers of School Psychologists Conference, Boston, MA.

Teaching experience

Fall 2026

CORE 475 · Community Rehabilitation and the Aging Process

Graduate Assistant (Teaching)

Community Rehabilitation and Disability Studies, Cumming School of Medicine, University of Calgary

Assess assignments and quizzes using rubrics; deliver tutorials, hold office hours, and update D2L.

Winter 2026

EDUC 445 · Issues and Approaches in Educational Leadership

Teaching Assistant

Werklund School of Education, University of Calgary

Manage the D2L course shell for a large-enrolment course and provide rubric-based narrative feedback.

Fall 2025 & Fall 2026

EDUC 525 · Ethics and Law in Education

Teaching Assistant

Werklund School of Education, University of Calgary

Provide rubric-based assessment and feedback and respond to student inquiries through D2L.

Fall 2024 & Fall 2025

EDUC 420 · Issues in Learning and Teaching

Teaching Assistant

Werklund School of Education, University of Calgary

Support student learning through rubric-based assessment, feedback, and responses to student inquiries.

March 2021–August 2023

Lecturer · Political Science

Bangladesh Civil Service General Education Cadre

Fulgazi Government College, Feni, Bangladesh

Lead departmental academic planning, teach undergraduate governance courses, and design examinations.

August 2017–August 2018

Lecturer · Political Science

Bangladesh Civil Service General Education Cadre

Fazilatunnesa Mujib Government College, Dhaka, Bangladesh

Teach governance courses and mentor students for public examinations.

August 2014–August 2017

Lecturer · Political Science

Bangladesh Civil Service General Education Cadre

Chhagalnaiya Government College, Feni, Bangladesh

Lead the department (2015–2017) and chair the undergraduate admission committee (2015 and 2016).

Leadership, service and program experience

September 2026–present

Secretary, Graduate Programs in Education Students' Association

Werklund School of Education, University of Calgary

Coordinate meetings, minutes, and member voting; represent GPESA on the Teaching and Learning Advisory Committee.

January–April 2026

Experiential Learning Intern, Teaching Across Borders

Werklund School of Education, University of Calgary

Coordinate immersive campus experiences and orientation for international pre-service teachers from Hokkaido University of Education, Japan; manage scheduling, transportation, venues, and multi-day events; liaise with campus and community partners.

September–December 2025

Graduate Assistant Non-Teaching

Faculty of Graduate Studies, University of Calgary

Design surveys and analyze data for program development; draft guidelines and outreach content for the Graduate Student Ambassador Program.

May–September 2025

Graduate Assistant Non-Teaching

Centre for Wellbeing in Education, Werklund School of Education, University of Calgary

Manage participant databases, assessment protocol inventories, and study documentation; support records digitization and ethics documentation updates.

August 2024–May 2025

Student Ambassador, Unibuddy Platform

Faculty of Graduate Studies, University of Calgary

Serve as a student ambassador.

Research methods and tools

SPSS; NVivo; Qualtrics; quantitative and qualitative research; survey and consent instruments; interviews and focus groups; deductive coding and thematic analysis; JBI / PRISMA-ScR scoping review processes; research ethics documentation; statistical reporting and knowledge mobilization.