

## **School of Health Information Science Graduate Completed Oral Examinations:**

### **2025**

- **Desmond Hedderson** (2025, January). “Canadian Paramedic Perceptions and Requirements for Adoption of Speech Recognition Technology: A Mixed Methods Study” (Thesis). MSc Program. Supervisor: Karen Courtney. Committee Members: Helen Monkman & Ian Blanchard
- **Dennis Natembeya** (2025, March). “Evaluating a Remote Monitoring Sleep Interface in Long Term Care Using a Combined Heuristics Approach” (Research Project). MSc Program. Supervisor: Karen Courtney. Committee Member: Francis Lau
- **Jodi Edwards** (2025, April). “The Effectiveness of Current Error Reporting Mechanisms in Identifying and Addressing Technology-Induced Errors in Healthcare Settings” (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Amy Lam** (2025, April). “Providing Virtual Medication Therapy in Healthcare: A Scoping Review on the Perspectives and Outcomes of Virtual Care in Pharmacy Services” (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Christine Ray** (2025, April). “Standardization of the Discharge Summary: An Umbrella Review” (Research Project). MSc Program. Supervisor: Francis Lau. Committee Member: Gillian Strudwick
- **Diana Boateng** (2025, August). “Clinical Decision Support for Vaccination Services: A Scoping Review of Emerging Systems and Usability Evaluation Approaches” (Research Project). MN/MSc Program. Co-Supervisors: Dzifa Dordunoo & Abdul Roudsari
- **Ching Huang** (2025, August). “An mHealth Design Framework for Older Adults” (Research Project). MSc Program. Supervisor: Claudia Lai. Committee Member: Elizabeth Borycki
- **Yilan Shen** (2025, August). “Supporting Successful Aging at Home: A Scoping Review of the Impact of Aging-in-Place Technologies on the Psychosocial Well-being of Older Adults Living in the Home and Community Setting” (Research Project). MN/MSc Program. Co-Supervisors: Karen Courtney & Jae-Yung Kwon
- **Jiang (Jack) Wu** (2025, August). “Business Intelligence Dashboards for Performance Management in Healthcare Settings: A Narrative Literature

Review" (Research Project). MSc Program. Supervisor: Alex Kuo. Committee Member: Abdul Roudsari

- **Julie Yu** (2025, August). "Clinical Informatics Education for the Postgraduate Anesthesiology Trainee: A Scoping Review" (Research Project). MSc Program. Supervisor: Abdul Roudsari. Committee Member: Karen Courtney
- **Tasha Kanigan** (2025, November). "A Comparison of Health Literacy Tools: Sydney Health Literacy Lab (SHeLL)Health Literacy Editor, Grammarly and HealthLitlQ" (Research Project). MSc Program. Supervisor: Helen Monkman. Committee Member: Abdul Roudsari
- **Junko Fukui Innes** (2025, December). "Predicting Transition of the Next Level of Care for Aging Population with Home Support Services" (Dissertation). PhD Program. Supervisor: Abdul Roudsari. Committee Member: Karen Courtney
- **Evelyne Liu** (2025, December). "Clinical Informatics Competencies Most Sought-After by Canadian Employers" (Research Project). MSc Program. Supervisor: Karen Courtney. Committee Member: Helen Monkman
- **Lonn Myronuk** (2025, December). "Situation Awareness in Virtual and Hybrid Care: A Systematic Mapping and Synthesis Review" (Research Project). MSc Program. Supervisor: Abdul Roudsari. Committee Member: Don Juzwishin
- **Evangeline Wagner** (2025, December). "Understanding the Needs of Caregivers Involved in At Home Care Using SmartHome Systems for Patients with Dementia" (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk

## **2024**

- **Adam Dryden** (2024, April). "*A Scoping Review of Clinically Relevant Artificial Intelligence in Anesthesiology*" (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Sean Elliott** (2024, April). "*Environmental Scan of Canadian Sources to Determine Current National Trends in the Use of Inpatient Portals in the Acute Care Setting*" (Research Project). MSc Program. Supervisor: Karen Courtney. Committee Member: Marge Benham-Hutchins
- **Nesrine Menikh** (2024, April). "*Usability Evaluation of Three Pregnancy Mobile Health Applications Using Heuristic Evaluation and the MHealth App Usability Questionnaire*" (Research Project). MSc Program. Supervisor: Helen Monkman. Committee Member: Andre Kushniruk

- **Jack Warren** (2024, April). “*A Qualitative Study Exploring Infection Control Practitioner Perspectives on Automated Hospital Acquired Infection Surveillance Technology in Acute Care*” (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Catherine Webster** (2024, April). “*Impacts of Digital Health Technologies on the Patient Journey: A Scoping Review*” (Research Project). MN/MSc Program. Co-Supervisors: Jae-Yung Kwon & Francis Lau
- **Kristen Arnell** (2024, August). “*Exploratory Analysis of Hourly vs Continuous Vital Sign Data in a Neonatal Intensive Care Unit*” (Research Project). MN/MSc Program. Co-Supervisors: Anastasia Mallidou & Abdul Roudsari
- **Jonas Bambi Yona** (2024, August). “*Extracting, Analyzing and Using Patterns of Service Utilization from a Cross Continuum Health Service System to Optimize Care for Patients with Complex Issues – A Methodological Approach*” (Dissertation). PhD Program. Supervisor: Alex Kuo. Committee Members: Abraham Rudnick & Kenneth Moselle.
- **Ryan Kletke** (2024, August). “*Expanding the Hybrid Heuristic Inspection Method: A Heuristic Evaluation*” (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Rajesh Nair** (2024, August). “*Mapping the Existing Literature on Economic Data Captured and Used within Digital Systems Utilized by Canadian Healthcare Organizations: A Scoping Review*” (Research Project). MSc Program. Supervisor: Karen Courtney. Committee Member: Francis Lau
- **Parisa Rahnema Naserabad** (2024, August). “*Automated Data Processing for Enhanced Radiation Therapy: A Study on Prostate Cancer Treatment Using RapidPlan*” (Research Project). MSc Program. Co-Supervisors: Abdul Roudsari & Dominique Fortin
- **Fiori Lee** (2024, September). “A Scoping Review on the Effects of Mobile Applications on Safety” (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Emilie Rigby** (2024, September). “Cultural Safety in Virtual Care: Improving Access to Safe, Virtual Health Care for Indigenous Peoples of Canada” (Research Project). MN/MSc Program. Co-Supervisors: Marilou Gagnon & Karen Courtney
- **Dee Dee Wong** (2024, September). “Predicting Emergency Department Visits in British Columbia: Applying Machine Learning to Weather, Air Quality and Health Data” (Research Project). MSc Program. Supervisor: Alex Kuo. Committee Member: Elizabeth Borycki

- **Yaser Alqarrain** (2024, October). “Improving Situation Awareness to Reduce Healthcare-Acquired Urinary Tract Infection” (Dissertation). PhD Program. Supervisor: Abdul Roudsari. Committee Members: Karen Courtney & Jim Tanaka
- **Andrew McClure** (2024, November). “Clinical Use and Impact of Vocabulary/Technology, Content, and Transport Standards in Diagnostic Imaging - A Scoping Review” (Research Project). MSc Program. Supervisor: Francis Lau. Committee Member: Omid Shabestari
- **Victoria Obress** (2024, November). “The Current State of Artificial Intelligence in Primary Care: A Rapid Umbrella Review” (Research Project). MSc Program. Supervisor: Francis Lau. Committee Member: Dennis Lee
- **Ye Rhim Kim** (2024, November). “A Scoping Review of Telehealth Interventions for People Experiencing Homelessness: Stakeholder Perspectives, Facilitators and Barriers” (Research Project). MSc Program. Supervisor: Abdul Roudsari. Committee Member: Don Juzwishin
- **Ryan Gibson** (2024, December). “The State of Electronic Health Record Use in Canadian Long-term Care Homes through a Clinical Adoption Framework Lens - A Scoping Review” (Research Project). MSc Program. Supervisor: Karen Courtney. Committee Member: Francis Lau
- **Haopeng Ren** (2024, December). “A Scoping Review on Using Natural Language Processing to Extract Unstructured Data from Electric Health Records” (Research Project). MSc Program. Supervisor: Abdul Roudsari. Committee Member: Alex Kuo

### **2023**

- **Melissa Tan** (2023, January). “*Electronic Referrals to Initial Oncology Consultation: A Scoping Review*” (Research Project). MSc Program. Supervisor: Alex Kuo. Committee Member: Don Juzwishin
- **Stephanie Cabrera** (2023, April). “*The Impact of Wearable Devices on Managing Chronic Musculoskeletal Pain in Older Adults: A Scoping Review*” (Research Project). MN/MSc Program. Co-Supervisors: Anastasia Mallidou & Helen Monkman
- **Shauna Donaldson** (2023, April). “*Scoping Review of Barcode Medicine Administration: Effects of Technology, Policies and Procedures on Workarounds and Medication Administration Errors*” (Research Project). MN/MSc Program. Co-Supervisors: Anastasia Mallidou & Elizabeth Borycki
- **Dane Schrader** (2023, April). “*Promise & Challenge: Perceptions of AI in Canadian Healthcare*” (Research Project). MSc Program.

Supervisor: Abdul Roudsari. Committee member: Don Juzwishin

- **Madison Colterman** (2023, July). *“How are Electronic Health Record Systems Being Used in Undergraduate Nursing Programs? A Scoping Review”* (Research Project). MN/MSc Program. Co-supervisors: Andre Kushniruk & Anastasia Mallidou
- **Siju Madhavasseril** (2023, August). *“Current State of Electronic Prescribing in Canada- A Scoping Review”* (Research Project). MSc Program. Co-supervisors: Francis Lau & Karen Courtney
- **Jerome Canete** (2023, August). *“Evaluation of a Patient-Facing Online Symptom Checker Using a Hybrid Inspection Method with Expanded Criteria’s for Cultural Safety, Diversity, Inclusivity, and Readability”* (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee member: Andre Kushniruk
- **Ei Sandar Phyo** (2023, October). *“Scoping Review of Patient-Centered Personal Health Records (PHRs) Integrating with Electronic Health Records (EHRs): Models, Challenges, Perceptions, and Effects on Patients and Healthcare Providers”* (Research Project). MSc Program. Supervisor: Alex Kuo. Committee member: Elizabeth Borycki
- **Alan Sobey** (2023, December). *“Modelling the Flow of Patients through the Cardiovascular Surgery Intensive Care Unit”* (Research Project). MSc Program. Supervisor: Abdul Roudsari. Committee member: Omid Shabestari

## **2022**

- **Sue Ling (Linda) Li** (2022 February). *“National Survey of Canadian Nurses From 2014 to 2020”* (Research Project). MSc program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Pat Gullayanon** (2022 March). *“Multi-Method Simulation of a New Quaternary Mental Health Facility”* (Research Project). MSc program. Supervisor: Abdul Roudsari. Committee Member: Omid Shabestari
- **Masooma Hassan** (2022 April). *“Barriers and Facilitators of Artificial Intelligence Adoption in Healthcare”* (Research Project). MSc program. Supervisor: Andre Kushniruk. Committee Member: Elizabeth Borycki
- **Karen Stelmack** (2022 April). *“The Impact of Cognitive Load on An Acute Care Nurse’s EPR Use – A Scoping Review”* (Research Project). MSc program. Supervisor: Andre Kushniruk. Committee Member: Elizabeth Borycki

- **Alexandr Gavrilov** (2022 August). “*Predictive and Prognostic AI Models Based on Image Modalities in COVID-19 Setting: A Scoping Review*” (Research Project). MSc program. Supervisor: Abdul Roudsari. Committee Member: Omid Shabestari
- **Sara Tahsiniaragh** (2022 August). “*Reference Architecture Frameworks for Chronic Disease Management Solutions*” (Research Project). MSc program. Supervisor: Abdul Roudsari. Committee Member: Alex Kuo
- **Tonie Castro** (2022 November). “*Usability Inspection of Strava, Fitbit, and Nike Run Club Mobile Health Fitness Apps: A Hybrid Method Using Heuristic Evaluation with Cognitive Walkthrough*” (Research Project). MSc program. Supervisor: Helen Monkman. Committee Member: Andre Kushniruk
- **Amirav Davy** (2022, December). “*Adoption of COVID-19 Predictive Models for Strategic Care and Hospital Resource Planning: A Qualitative Interview Study*” (Research Project). MSc Program. Supervisor: Elizabeth Borycki. Committee Member: Andre Kushniruk
- **Melissa Skirten** (2022, December). “*Designing Remote Patient Monitoring to Optimize Care for Hypertensive Disorders of Pregnancy: A Rapid Review*” (Research Project). MN/MSc Program. Co-supervisors: Debra Sheets & Alex Kuo
- **Kara Turley** (2022, December). “*A Mobile Health Application to Increase Access to Services by Family Caregivers of Older Adults*” (Research Project). MN/MSc Program. Co-supervisors: Debra Sheets & Karen Courtney