

# Charles Jia

Kitchener Ontario  
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## Summary of Qualifications

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### Statistical Software

- **R/RStudio**: exploration (ex. tidyverse, tableone, mice), conventional regression (logisticRR, car), survival analysis (survminer, survival), propensity score methods (MatchIt, twang), machine learning (glmnet, xgboost, keras)
- **SAS**: dataset manipulation (ex. PROC SQL), exploration (%BiVarTab), conventional regression (PROC GENMOD), survival (PROC PHREG), propensity score methods and inverse probability weighting

### Qualitative Software

- **NVIVO**: dataset coding, categorization (ex. labeling, thematic and case nodes), visualizations (hierarchy charts, node maps)

### Platforms

- **MS Office**: Experienced in the use of MS Office Software to produce abstracts and manuscripts (ex. Word), posters or visualizations (PowerPoint)
- **ICES Remote Access Environment**

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## Employment and Research Experience

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**MSc in Epidemiology and Biostatistics**, Western University  
Department of Epidemiology and Biostatistics

September 2023 – August 2025

- Prepared **ICES Project Initiation Worksheets**, **Project Impact Assessments**, and other project documentation by translating scientific objectives into operational and technical information
- Independently designed and operationalized an ICES-based population health study using the **Data Collection Plan**, conceptualizing study design, cohort creation, data sources, variable definitions, and analytic plans for administrative health data analysis
- Worked extensively within the **ICES Remote Access Environment**, adhering to privacy, confidentiality and data governance requirements for administrative health data research
- Created and validated analytic datasets through cleaning and manipulation of administrative health databases using SAS and ICES methodologies
- Proficient in **ICES-specific methodologies** for dataset preparation (e.g. %match) and data exploration (e.g. %dinexplore), description (e.g. %Bivariate), analysis (e.g. %BiVarTab) and visualization (e.g. %forestplot)
- Authored and presented **scientific deliverables**, like abstracts, manuscripts, posters, and presentations at academic venues using Word, PowerPoint and Canva

**Research Assistant**, University of Ottawa  
Faculty of Health Sciences

April 2023 – August 2025

- Upheld rigorous **ethical standards** by protecting patient privacy and ensuring secure handling of physical patient health information
- Proficient in **qualitatively coding** and **thematically analyzing** interviews and non-participatory observations to create node maps using NVivo
- Drafted and revised scientific manuscripts, including data analysis, literature synthesis, and prepared figures and tables for publication
- Managed project timelines and deliverables across data access, data analysis, manuscript preparation and knowledge translation activities

**Teaching Assistant**, Western University

January 2025 - April 2025

Department of Epidemiology and Biostatistics

- Coordinated with course instructors and other teaching assistants to ensure consistent grading standards and alignment with course objectives
- Provided one-on-one academic support to students, navigating **advanced epidemiologic topics** (e.g. causal inference, etiology, study efficiency and optimization)
- Evaluated undergraduate thesis presentations and assignments, providing constructive feedback on epidemiologic design and analysis

**Barista**, Marché Leo's

June 2021 – September 2022

- Collaborated with various store departments, like stock and kitchen, to deliver high-quality service to **100+** customers per day while managing competing priorities and maintaining accuracy
- Co-authored and maintained store sanitation standards pertaining to COVID-19 regulations
- Collected and maintained daily operational data, identifying trends to support inventory planning

**Medical Records Analyst**, Frederick Street Family Medicine Clinic

June 2021 - August 2021

- Audited and standardized **100+** patient records, improving data completeness and reducing documentation error using **AccuroEMR**
- Updated and corrected preventive testing and medications for **100+** patients under physician supervision

## Academic Degrees

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**MSc in Epidemiology and Biostatistics: Epidemiology**, *Summa Cum Laude*, Western University August 2025

- **Relevant Courses:** 9540R Health Services Research, 9509A Biostatistical Methods for Epidemiology, 9553R Analytic Epidemiology, 9521B Multivariable Models, 9580 Systematic Reviews, 957A Introduction to Health Economics, cGPA 4.0 (4-point)

**Honours BSc in Health Sciences**, *Summa Cum Laude*, University of Ottawa

May 2023

- Faculty of Interdisciplinary Health Sciences, cGPA 9.60 (10-point)

## Peer-Reviewed Articles: Published and Ongoing

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- [1] **Jia, C.**, Blanchette, P., Carter, B., Anderson, K., Climans, S., Giffoni, D., Raphael, J. (2025), '507P Real-world outcomes of patients with advanced or metastatic HR+/HER2- breast cancer treated with CDK4/6 inhibitors', *Annals of Oncology*, Volume 36, Supplement 2. Accepted, October 2025.
- [2] **Jia, C.**, Blanchette, P., Carter, B., Anderson, K., Climans, S., Giffoni, D., Raphael, J. (2026), 'Real-world outcomes of patients with advanced or metastatic ER+/HER2- breast cancer treated with CDK4/6 inhibitors', *Journal of the National Cancer Institute*. (Ongoing)
- [3] Garcia, J., **Jia, C.**, Slaughter, S., Drummond, N. (2026), 'Rethinking Person-Centred Care: Bridging Gaps in Long-Term Care Activities', *Canadian Journal on Aging*. (Ongoing)
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## Conferences Presentations

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**Canadian Association of Medical Oncologists Annual Scientific Meeting 2025** November 2025

- Jia C, Blanchette P, Carter B, Anderson K, Climans S, Giffoni D, Raphael J. “Real-world outcomes of patients with advanced or metastatic HR+/HER2- breast cancer treated with CDK4/6 inhibitors”

**European Society of Medical Oncology Congress 2025** October 2025

- Jia C, Blanchette P, Carter B, Anderson K, Climans S, Giffoni D, Raphael J. “Real-world outcomes of patients with advanced or metastatic HR+/HER2- breast cancer treated with CDK4/6 inhibitors”

**21<sup>st</sup> Annual Oncology Research and Education Day** June 2025

- Jia C, Blanchette P, Carter B, Anderson K, Climans S, Giffoni D, Raphael J. “Real-world outcomes of patients with advanced or metastatic HR+/HER2- breast cancer treated with CDK4/6 inhibitors”

## Awards and Honours

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**Dean’s Honour List**, University of Ottawa, 2019 to 2023.

- ~ \$10,000 CAD

**Entrance Scholarship of the Highest Distinction**, University of Ottawa, 2019.

- ~ \$4,000 CAD

## Research Support Held as Principal Investigator

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<b>Agency, Program</b>	<b>Total</b>	<b>Year(s)</b>
Ontario Graduate Scholarship, Province of Ontario	\$15,000	2024 to 2025
London Health Sciences Foundation, Cancer Grant	\$32,500	2023 to 2025

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## Other Affiliations and Professional Accrediation

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- ICES Student, Institute for Clinical Evaluative Sciences, Toronto. October 2023 to Present.
  - Member, European Society for Medical Oncology. August 2025 to Present.
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## Selected External Experience

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**Generalist**, Fondation Miroir Foundation December 2023 - Present  
Ottawa, ON

- Provided administrative and operation support to the Board of Directors and various portfolios by preparing meeting materials, maintaining records and coordinating internal communication
- Created and maintained website and social media channels, producing digital content using targeted messaging to increase community engagement and awareness reaching **1000+** viewers
- Co-developed the “**Call for Proposals**” framework, establishing program funding criteria and evaluation processes that has funded approximately **\$200,000** worth of programming for older adults

**Hospital Observership**, Victoria Hospital September 2024  
London, ON

- Observed clinical workflow and patient management across the oncology department, gaining insight into cancer diagnostic and treatment processes
- Reviewed medical review practices, like charts and imaging, to understand links between data collection, clinical care and health outcomes

**Mentorship**, Western University September 2024 - August 2025  
London, ON

- Provided mentorship to two Master’s candidates through regular check-ins, ensuring thesis milestones were met and individual concerns were addressed

**Mentorship**, Big Brothers and Sisters of the London Area April 2024 - June 2025  
London, ON

- Provided mentorship to troubled mentees in the London area through weekly meetings, addressing difficult social situations and finding alternative means to solve them

**Tech Team**, West Park Church March 2024 - August 2025  
London, ON

- Collaborated with on-stage performers and preachers, and back-stage directors to bring **15+** sermons successfully to **1000+** digital viewers
- Proficient in camera manipulation and videography direction in the front- and back-ends

**The Social**, Alzheimer’s Society February 2024 - August 2025  
London, ON

- Collaborated with program facilitators and other volunteers to run **50+ 4-hour sessions** for older adults in varying stages of cognitive impairment, dementia and Alzheimer’s disease
- Adapted communication and interaction strategies to meet diverse patient cognitive and emotional needs, enhancing the patient-centered care environment
- Supported inclusive programming aimed at improving mental, physical and social well-being among older adults

**Investment Consultant**, MedChain December 2023 – December 2024  
Ottawa, ON

- Conceptualized and implemented a successful funder identification plan to assess **50+** potential pre-seed and seed angel investors with experience in digital health care, knowledge translation and integration

**Patient Intake**, Frederick Street Family Medicine  
Kitchener, ON

April 2022 - August 2024

- Accurately measured and documented patient vital signs, including blood pressure, heart rate, temperature and respiratory rate, to support clinical assessment and care
- Coordinated patient check-in processes, contributing to efficient clinic workflow and reducing wait times
- Communicated with diverse patient populations to obtain sensitive health information in a respectful and efficient manner