

ALEXANDER JAMES DAVID WRAY

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EDUCATION

DEGREES

- 2018 to 2020 **Master of Arts, Geography**
Department of Geography, Faculty of Social Science, Western University
Thesis Supervisor: Dr. Jason Gilliland
- Certificate in University Teaching and Learning**
Centre for Teaching and Learning, Western University
- 2013 to 2018 **Honours Bachelor of Environmental Studies, Planning (Coop)**
School of Planning, Faculty of Environment, University of Waterloo
Mentors: Dr. Leia Minaker, Dr. Markus Moos, & Dr. Jennifer Dean
- Diploma, Environmental Assessment**
School of Environment, Resources and Sustainability, Faculty of Environment, University of Waterloo
- 2009 to 2013 **Ontario Secondary School Diploma, Co-Valedictorian**
Eastdale Collegiate and Vocational Institute

INTERNATIONAL EXPERIENCES

- February 2017 **International Exchange**, Kakehashi Canada-Japan Friendship Ties Program, University of Tokyo, Japan
- May 2014 **Intensive Design Studio**, International Network for Traditional Building, Architecture, and Urbanism Barcelona Exchange Program, University of Milan School of Design, Italy

HONOURS & AWARDS

- 2019 Esri Canada Geographic Information Systems Scholarship (\$3,000)
- 2019 Ontario Graduate Scholarship, Ontario Ministry of Training, Colleges, and Universities, and Western University (\$15,000)
- 2019 Western Graduate Research Scholarship, Western University (\$5,000)

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- 2018 Joseph A. Bombardier Canada Graduate Scholar Masters, Social Sciences and Humanities Research Council of Canada (\$17,500)
- 2018 Western Graduate Research Scholarship, Western University (\$2,500)
- 2018 Federation of Students Leadership Award, University of Waterloo (\$250)
- 2018 Co-op Work Term Award, Faculty of Environment (\$100)
- 2018 Jim Kalbfleisch Award, University of Waterloo (\$1,500)
- 2018 Dean’s Honours, Faculty of Environment, University of Waterloo
- 2017 Alyson Woloshyn Leadership Award, University of Waterloo (\$1,000)
- 2014 Southwestern Ontario District Scholarship, Ontario Professional Planners Institute (\$1,000)
- 2013 University of Waterloo Planning Alumni of Toronto Scholarship (\$1,500)
- 2013 University of Waterloo President’s Entrance Scholarship (\$2,000)
- 2013 Colonel McLaughlin Graduate Scholarship, Eastdale Collegiate and Vocational Institute (\$2,500)
- 2013 Ontario Power Generation Science Technology Engineering Mathematics Award, Eastdale Collegiate and Vocational Institute (\$500)
- 2013 Principal’s Award for Student Leadership, Ontario Principals’ Council & Eastdale Collegiate and Vocational Institute (\$1,000)
- 2012 Student Leadership and Service Award, Durham District School Board and Ontario Secondary School Teachers’ Federation District 13 Council

EXPERIENCE

RESEARCH EXPERIENCE

- 2018 to **Research Associate**, Human Environments Analysis Laboratory, Western University, Supervised by Dr. Jason Gilliland, and funded by the London Children’s Health Research Institute
- 2017 to 2018 **Research Assistant**, School of Planning, University of Waterloo Supervised by Dr. Leia Minaker, and funded by the Canadian Cancer Society Research Institute
- 2016 (4mo) **Research Assistant**, School of Planning, University of Waterloo Supervised by Dr. Dawn Cassandra Parker, and funded by the Social Science and Humanities Research Council of Canada
- 2014 (4mo) **Research Assistant**, Water User and Toxics Reporting Unit, Environmental Monitoring and Reporting Branch, Ontario Ministry of the Environment and Climate Change

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TEACHING EXPERIENCE

- 2019 (4mo) **Graduate Teaching Assistant**, Department of Geography, Western University, GEOG 4460: Real Estate and the City, Mr. Joseph Shaw
- 2018 (4mo) **Graduate Teaching Assistant**, Department of Geography, Western University, GEOG 3461: Land Use and Development Issues, Dr. Jason Gilliland
- 2018 (2mo) **Course Developer**, School of Planning, University of Waterloo, PLAN 474: Aggregates Resource Planning, Management, and Development, Mr. Wayne Caston
- 2018 (4mo) **Head Teaching Assistant**, School of Planning, University of Waterloo, PLAN 103: Planning Administration and Finance, Dr. Markus Moos
- 2017 (4mo) **Teaching Assistant**, School of Planning, University of Waterloo, PLAN 103: Planning Administration and Finance, Dr. Markus Moos

SERVICE EXPERIENCE

- 2018 to **Director**, Town and Gown Association of Ontario
- 2018 to **Chair**, Structure Review Committee, Society of Graduate Students, Western University
- 2018 to **Research Advisor**, Western Active Transportation Society, Western University
- 2018 to **Research Advisor**, Youth Advisory Council, Human Environments Analysis Laboratory, Western University
- 2018 to **Committee Member**, Social and Wellness Committee, Geography Graduate Students Society, Western University
- 2015 to 2018 **Chair of the Board**, Federation of Students, University of Waterloo
- Risk Management Committee, 2017 to 2018
 - Procedure Review Committee, 2017 to 2018
 - Bylaws Review Committee, 2016 to 2017
 - Budget Committee, 2015 to 2017
- 2015 to 2018 **Residence Life Don & Peer Leader**, St. Paul's University College
- 2014 to 2018 **Policy Advisor**, Ontario Undergraduate Student Alliance
- 2014 to 2018 **Undergraduate Student Senator**, Faculty of Environment, University of Waterloo Senate
- Honorary Degrees Nominating Committee, 2016 to 2017
 - Finance Committee, 2014 to 2015 / 2016 to 2017
 - Long-Range Planning Committee, 2015 to 2016
- 2017 to 2018 **Committee Member**, President's Advisory Committee on Student Mental Health, Academic Panel, University of Waterloo

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2017 to 2018	Committee Member , Provost’s Committee on Teaching and Learning Spaces, University of Waterloo
2017 to 2018	Committee Member , Cooperative and Experiential Education Fee Review Student Advisory Panel, University of Waterloo
2017 to 2018	Committee Member , Student Services Advisory Committee, University of Waterloo
2016 to 2017	Committee Member , Celebration 2017 Steering Committee, University of Waterloo
2015 to 2018	Committee Member , Undergraduate Student Relations Committee, University of Waterloo
2013 to 2014	Governor , Board of Governors, St. Paul’s University College
2013 to 2014	Chair , Activity Council Executive, St. Paul’s University College
2013 to 2018	Member , Ontario Professional Planners Institute
2013 to 2018	Member , Canadian Institute of Planners

PROFESSIONAL EXPERIENCE

2013 to 2017	Audio Visual Specialist , Instructional Technologies and Media Services, University of Waterloo, Ontario, Canada
2016 (4mo)	Student Planner , Planning Research and Analytics Team, Planning, Development and Legislative Services, Regional Municipality of Waterloo, Ontario, Canada
2015 (4mo)	Assistant Project Officer , Environmental Assessment Services Section, Environmental Monitoring and Reporting Branch, Operations Division, Ontario Ministry of the Environment and Climate Change, Canada
2012 to 2013	Service Administrator , Roadsport (formerly Eastway) Chrysler Jeep Dodge Fiat, Fiat-Chrysler Automobiles, Scarborough, Ontario, Canada

PUBLICATIONS

PEER REVIEWED ARTICLES

Wray A, & Minaker L. *Under Review*. Is cancer prevention influenced by the built environment? A multidisciplinary scoping review. *Cancer*.

Dean J, **Wray A**, Braun L, Casello J, McCallum L, & Gower S. *Under Review*. Handing over the keys to health? An interdisciplinary scoping review of the population health impacts of autonomous vehicles. *BMC Public Health*.

Ziegler B, **Wray A**, & Luginaah I. *Submitted*. The ever-changing narrative: Supervised injection site policy making in Ontario, Canada. *International Journal of Drug Policy*.

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Wray A, Olstad D, & Minaker L. 2018. Smart prevention: A new approach to primary and secondary cancer prevention in smart and connected communities. *Cities* 79: 53-69. doi: 10.1016/j.cities.2018.02.022

BOOKS & BOOK CHAPTERS

Sinasac S, & **Wray A.** 2017. Autonomous vehicles: Saviour or sentinel of low carbon suburban futures (pp 134-137). In M Moos & R Walter-Joseph (eds), *Still Detached and Subdivided? Suburban Ways of Living in 21st Century North America*. Berlin: Jovis.

WORKING PAPERS

Minaker L, & **Wray A.** *In progress*. Cancer prevention through urban policy: The role of built and social environments.

Wray A. *In progress*. Network analysis of a multidisciplinary scoping review.

CONFERENCE PUBLICATIONS & PRESENTATIONS

Wray A. 2019, June 5. Travel planning for university campuses: The Western University story. Presented at Town and Gown Association of Ontario: Building Bridges 2019, Brock University, Niagara, Ontario, Canada.

Wray A, & Gilliland J. 2019, April 30. Food and farms: Reviewing the influence of Canadian local government restrictions on food environments. Presented at the GeoHealth Network Conference, Toronto, Ontario, Canada.

Wray A, & Gilliland J. 2019, April 26. Where has all the food gone? A review of food environment policies and bylaws of Canadian metropolitan areas. Presented at the Urban Affairs Association 49th Annual Meeting, Los Angeles, California, United States of America.

Wray A, & Gilliland J. 2019, March 22. Where can I get my food? Assessing Ontario municipal policy impacts on local food environments. Presented at EnviroCon 2019, Western University, London, Ontario, Canada.

Wray A, & Minaker L. 2018, June 22. The social-ecological networks of cancer prevention in urban environments. Presented at Waterloo Institute for Complexity and Innovation Conference on Modelling Complex Urban Environments, Waterloo, Ontario, Canada. *Awarded 1st in student paper competition (\$250)*

Wray A, & Minaker L. 2018, May 30. The built environment and cancer prevention: A scoping review. Presented at Canadian Public Health Association Conference 2018, Montreal, Quebec, Canada.

Moos M, & **Wray A.** 2018, April 11. Roomies: Geographies, motivations, and constraints of young adults living with roommates in North American cities. Presented at American Association of Geographers Annual Meeting 2018, New Orleans, Louisiana, United States of America.

Minaker L, & **Wray A.** 2018, April 7. Completing the continuum: The role of the built environment in cancer prevention, and the potential contributions of urban policy. Presented at Urban Affairs Association 48th Annual Meeting, Toronto, Ontario, Canada.

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Wray A, Dean J, & Minaker L. 2018, April 6. Considering Intersectionality in Cancer Prevention: The Competing Spheres of Justice in Urban Environments. Presented at Urban Affairs Association 48th Annual Meeting, Toronto, Ontario, Canada.

Wray A, & Minaker L. 2017, October 19. Cancer in the suburbs: A systematic review of the planning and chronic disease prevention literature. Presented at After Suburbia: Extended Urbanization and Life on the Planet's Periphery, Global Suburbanisms Conference. York University, Toronto, Ontario, Canada.

Wray A. 2017, October 4. A new kind of planning advocacy: What OPPI can learn from student unions for 2020. Presented at Ontario Professional Planners Institute Conference. Town of the Blue Mountains, Ontario, Canada.

INVITED PRESENTATIONS, WORKSHOPS, AND DIALOGUES

Wray A. 2019, June 5. A campus-community planning tool? Learning about LEGO as a town and gown relationship building technique [Workshop]. Prepared for Town and Gown Association of Ontario Building Bridges 2019. Held in Niagara, Ontario, Canada.

Wray A. 2019, April 15. Demand Transport Action Now! [Web Application]. Prepared for the Esri Canada Centre of Excellence 2019 App Challenge. Documentation found at <https://esricanada-ce.github.io/appchallenge/2019/teams/western/DistruntledPlanner/>

Wray A. 2019, March 29. How outdoor advertising may influence teenage dietary patterns [Presentation]. Invited by Retiring with Strong Bones, Muscles, and Minds. Held at Kiwanis Seniors Centre, London, Ontario, Canada.

Wray A. February 2019. Advice on development of Health and Community Planning Areas for Middlesex-London Health Unit [Technical Advisor]. Prepared for the Population Health Solutions Lab, and South West Local Health Integration Network. London, Ontario, Canada.

Wray A, & Gilliland J. 2018, November 5. Advice on 2019 Canadian Community Health Survey sampling regions for London, Ontario, Canada [Technical Advisor]. Prepared for Middlesex-London Health Unit. London, Ontario, Canada.

Public Policy Forum. 2018, June 13. Forum on Artificial Intelligence in Precision Medicine [Participant]. Invited by Innovation, Science and Economic Development Canada. Held at Northeastern University, Toronto, Ontario, Canada.

Wray A, & Minaker L. 2018, May 31. Curing the Zombie City: Planning for healthy communities in the sprawling edges of Canadian cities [Workshop]. Prepared for the Canadian Public Health Association Conference 2018. Held in Montreal, Quebec, Canada.

Doucet B, & The Working Centre. 2018, March 21. Why Detroit Matters (and what KW can learn from it): Talk and Discussion [Panelist]. Invited by Brain Doucet. Held in Kitchener, Ontario, Canada.

Drescher M, Shipley R, **Wray A,** & Court C. 2017, April 27. Protecting our coast: Technical stakeholders participatory mapping and dialogue [Workshop]. Prepared for the Lake Huron Centre for Coastal Conservation. Held at University of Waterloo, Stratford, Ontario, Canada.

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REPORTS

Gilliland J, **Wray A**, Little M, Martin, G, Medeiros A, & Ostermeier E. 2019. Creating a Healthy Built Environment Challenge for Canada: Evidence Summary. Prepared for Public Health Agency of Canada.

Braun L, **Wray A**, Dean J, & Casello J. 2018. Literature Review of Autonomous Vehicles and Human Health Impacts. Prepared for Toronto Public Health.

Wray A. 2018. Building Health: A proposal for a Healthy Built Environments Minor. Prepared for University of Waterloo Faculty of Environment.

Bellotto S, Lockridge P, Kelly S, **Wray A**, & Aitchison C. 2017. Accountability Policy Paper. Prepared for the Ontario Undergraduate Student Alliance.

Thompson C, Wiley S, Wood J, Aitchison C, Campbell F, Clubine A, McMillan C, Pierre D, & **Wray A**. 2017. Housing, Transit and Community Development Policy Paper. Prepared for the Ontario Undergraduate Student Alliance.

Brieva A, Hsu M, Wiley S, Wood J, Pierre D, **Wray A**, & Rose Z. 2016. Sexual Violence Prevention and Response Policy Paper. Prepared for the Ontario Undergraduate Student Alliance.

Parkin M, Stubbs D, Hang V, & **Wray A**. 2016. Central Transit Corridor Monitoring Program, Kitchener-Cambridge-Waterloo, 2015 Monitoring Report. Prepared for the Regional Municipality of Waterloo.

Oldfield L, Roddick C, Rodrigues M, **Wray A**, & Woudsma C. 2015. Economic Impact Analysis Report: Stratford Municipal Airport. Prepared for Stratford City Council.

Wray A, & McLeod S. 2014. Ministry Review of the Humberstone Landfill Expansion Environmental Assessment. Prepared for Ontario Ministry of Environment and Climate Change.

MEDIA

Wray A. 2019. Top 5 Reasons to Switch to ArcGIS Pro. Esri Canada Centre of Excellence Blog. <https://ecce.esri.ca/wpecce/2019/05/14/top-5-reasons-to-switch-to-arcgis-pro/>

Wray A. 2018. Lippy Londoners thoughts on the new city council. In J. Hazlewood (host), London Morning [live panel discussion]. London: CBC Radio. <https://www.cbc.ca/listen/shows/london-morning/segment/15644112>

Wray A. 2018. GIS for Health: An example of the modifiable areal unit problem. Esri Canada Centre of Excellence Blog. <https://ecce.esri.ca/wpecce/2018/11/20/gis-for-health-an-example-of-the-modifiable-areal-unit-problem/>

Wray A. 2018. Newcomers reaction to London. In J. Hazlewood (host), London Morning [live interview]. London: CBC Radio. <https://www.cbc.ca/listen/shows/london-morning/segment/15595564>

Wray A. 2018. Student Neighbourhoods: A Waterloo Story (pp 5-10). In C. Aitchison & D. Lam (eds.), Habitats: Students in their Municipalities 2018 [magazine]. Toronto: Ontario Undergraduate Student Alliance.

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Wray A. 2017, July 13. Right-sized development should be focus of planning policy. Waterloo Region Record. <https://www.therecord.com/opinion-story/7419572-right-sized-development-should-be-focus-of-planning-policy/>

Clubine A. & **Wray A.** 2016. These Routes Are Made For Walking (pp 14-17). In J. Bedi & K. Hurren (eds.), *Habitats: Students in their Municipalities 2016* [magazine]. Toronto: Ontario Undergraduate Student Alliance.

GRANTS & CONTRACTS

FUNDED APPLICATIONS

Project Manager. Gilliland J (Applicant). *Building a Healthy Built Environments Challenge for Canada*. Research Contract. Public Health Agency of Canada, 2019. (\$25,000).

Project Advisor. Shelley J (Principal Investigator). *The Role of Municipal Law in Health Promotion*. Western Law Dean's Research Fellowship, Faculty of Law, 2018. Western University. (\$10,000).

Trainee. Minaker L (Principal Investigator). *SMART PREVENTION: Developing smart city enabled precision public health research infrastructure for disease and injury prevention*. Building Healthy Cities, Planning and Dissemination Grants, Institute of Population and Public Health, 2017. Canadian Institutes of Health Research. (\$10,000). Rating Code: 4.40. Ranking: 1/25 (17 funded).

SUBMITTED APPLICATIONS

Trainee. Gilliland J (Principal Investigator). *Cycle Counts: A global review of bicycle counter technologies*. Small Grants Program 2018. Sidewalk Labs Toronto and Waterfront Toronto. (\$15,000). Rejected September 2018.

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