

Zili Zhou
306-880-2328
Zili.zhou@usask.ca

EDUCATION

- Doctor of Medicine Candidate** Aug 2023 – Present
University of Saskatchewan, Saskatoon, SK
- Expected date of completion: June 2027
- Master of Public Health – Infectious Disease Epidemiology and Modeling** May 2023
Yale University, New Haven, CT
- Bachelor of Science (Honours) – Interdepartmental Honours in Immunology** May 2019
McGill University, Montréal, QC

ADVOCACY EXPERIENCE

- National Committee Member** October 2023 – present
Canadian Federation of Medical Students | Canada
- Government Affairs Portfolio – 2023 NDoA Advocacy Follow-Up Committee, 2024 NDoA Advocacy Research and Planning Committee. Working with partners to advocate for the 2023 asks on reducing food insecurity in Canada. Outreach to potential partners for expertise on healthcare spending and support for the 2024 NDoA.
 - Global Health Portfolio - Public Health Committee. Co-author on a position paper on chronic disease burden associated with ozone depletion and UV radiation.
- Director of Education** January 2022 – May 2023
HAVEN Free Clinic | New Haven, CT
- Provide uninsured residents of New Haven with long-term, comprehensive health care free of charge.
 - Train, support, and oversee a team of 37 volunteers in providing diet and exercise counselling for patients with pre-diabetes or diabetes, hypertension, obesity, non-alcoholic fatty liver disease.
 - Organize and interpret patient's history of medical visits, diagnoses, and laboratory tests.
 - Develop community outreach, advocacy, and health literacy projects based on assessments of patient needs.
 - Advocate for sustainable community access to health care with HUSKY 4 Immigrants Coalition, in collaboration with physicians and other health professions students at Yale University.
- Outreach and Partnership Coordinator** March 2021 – March 2022
For A Safer Space (FASS) | Toronto, ON
- Outreach to Ontario MPPs led to the presentation of the FASS petition to include mental health care in the Ontario Health Insurance Plan. The petition was presented by Mike Schreiner MPP in the Canadian House of Commons.
 - Drafted program progress reports and presentations. Facilitated meetings with partner organizations.
 - Facilitated the formation of a Canada-wide Gender-Based Violence NGO Network consisting of women's shelters, universities, and helplines.
- Program Coordinator, Mentor** September 2019 – August 2023
Kids of Incarcerated Parents Canada | Toronto, ON
- Mentored and supported youths adversely affected by parental incarceration.
 - Helped youths practice healthy coping strategies to advocate for mental health and foster resilience.
 - Managed the Music Program. Oversee, train and support 2 long-term volunteer teachers.
 - Provided youths with free weekly one-on-one piano lessons.
 - Developed needs-based mentorship programs and outreach initiatives for affected youths.

SELECTED PUBLIC HEALTH WORK

Lead Data Analyst: Impact of 176 WHO COVID-19 Campaigns

Omer Research Group, Yale Institute for Global Health | New Haven, CT

December 2022 – present

Supervisor: Dr. Saad B. Omer

Role in Project: Modeling and Analysis Lead

- Conducted a two-stage meta-analysis on confidential raw data of 176 public health campaigns conducted by the World Health Organization on Meta platforms. Conducted analysis with R.
- Produced a 25-page Master's thesis. Presented the work to professors and colleagues at Yale University.
- Currently drafting the manuscript with the WHO team in preparation for publication.

Modeling of Infectious Disease Dynamics: Serial Interval Estimation

May 2022 – August 2022

Cincinnati Children's Hospital | Cincinnati, OH

Supervisor: Dr. Bin Zhang

Role in Project: Biostatistics Analyst

- Compiled and reviewed classic and novel methods of estimation for serial intervals of respiratory infectious diseases.
- Methods reviewed each accommodates different data structures, such as missing symptom onset dates or transmission pairs. These included Maximum Likelihood Estimation, Expectation-Maximization, Markov chain Monte Carlo, and Bayesian methods.

COVID-19 Outbreak Student Investigator

December 2021 – May 2022

Connecticut Department of Public Health (CTDPH) | New Haven, CT

• Applied epidemiological methods in COVID-19 outbreak investigations.

• Participated in outbreak control and prevention discussions with CTDPH and CDC fellows.

SOFTWARE

R, Python, SPSS, Prism, Microsoft Office

LANGUAGES

English (fluent), Mandarin (fluent), French (elementary)