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SKILLS/QUALIFICATIONS:

- **Analytical Skills:** Strong analytical and numerical skills with special attention to detail and function
- **Technical Skills:** Proficient in using Microsoft Office, Outlook, Endnote, PubMed, SQL, Statistical software such as R, STATA, SAS and able to learn new programs promptly
- **Communication & Teamwork:** Ability to communicate and interact with core members at all levels effectively
- **Organization and Management:** Experience in maintaining an efficient workspace leading to productive output and managing multiple projects achieving all deadlines
- **Editorial Skills:** 4+ years of experience in scientific writing, citation, and proofreading to effectively communicate scientific findings
- **Bilingual:** Fluent in English and Sinhala

EDUCATION:

Master of Science: Public Health - Specialization in Epidemiology (GPA 3.83/4.0) September 2017- May 2019

McGill University

Awarded

2nd place in 3 Minute Practicum Presentation: 15th Annual EBOH Research Day March 2019

Bachelor of Science: Ecology - Minor in Anthropology (GPA 3.5/4.0) September 2012- November 2016

University of Calgary

Awarded

Jason Lang Scholarship for Academic Excellence 2013, 2014, & 2015
University of Calgary President's Admission Award 2012 & 2013

WORK EXPERIENCES:

Southern Alberta Primary Care Research Network - Canadian Primary Care Sentinel Surveillance Network September 2021 - Present

Research Associate

- Lead regional aspects of national and/or multi jurisdictional research projects by conducting study coordination, recruitment, survey distribution and data analysis and writing of research protocols and papers
- Collaborate in data linkage processes, analysis of EMR data using advanced approaches such as machine learning to improve the quality of data being collected, coded and utilized for various national and regional research or quality improvement projects

- Mentor regional and national recruits by providing orientation sessions, weekly check-ins and direction when needed to better integrate them into the working environment

Southern Alberta Primary Care Research Network - Canadian Primary Care Sentinel Surveillance Network

June 2020 - September 2021

Research Coordinator

- Liaised with primary care physicians/clinics, key decision-makers and worked cooperatively within a team environment
- Assisted in recruited and support of sentinel primary care providers and their clinics in Southern Alberta by coordinating the signing and timely return of necessary legal documentation, addressing concerns regarding the recruitment process and CPCSSN projects and by arranging clinic visits when necessary
- Assisted the team in tasks related to research projects such as ethics renewal and modification processes, protocol development and research analyses

Community Health Sciences - Cumming School of Medicine

May 2020 - November 2020

Data Analyst

- Extracted, cleaned and analyzed hospital administrative data to develop and validate an algorithm aimed at identifying a cohort of Head and Neck Cancer patients
- Compared variations in resource utilization among Head and Neck Cancer patients based on interventions received during their hospital stay using basic descriptive and regression analysis in R
- Contributed to preparing materials for knowledge translation including manuscripts with a focus on methods and results sections
- Conducted an invited guest lecture focusing on basic functions and statistical analysis utilizing R Software

Developmental Disability Resource Center

November 2019 - May 2020

Community Resource Worker

- Work within a team environment to achieve the goals of the organization in promoting the inclusion of persons with disabilities to communities
- Assist clients in implementing and evaluating personal goals created in order to increase the quality of life of individuals
- Maintain all records and documentations in accordance with organizational policies and practices

Dalla Lana School of Public Health

November 2019 - March 2020

Junior Research Analyst

- Conducted literature reviews to investigate previous analysis methods, prepared data analysis plans and delivered the findings to key stake holders to assist in the decision-making process
- Performed multivariable regression analysis in R on two large convenience surveys and presented preliminary results using data visualization methods
- Prepared methods, results and interpretation sections of a manuscript to communicate the research findings as suitable to the audience

Philips Health Systems

April - July 2019

Customer Service Representative - Tier 0

- Interacted with customers over the phone in a professional manner to direct them towards the right resource of service effectively
- Maintained the control and flow of the call by adhering to the agency protocols to better assist the customer by effectively and accurately creating a case
- Communicated with supervisors, Tier 1 professionals and other service agents during critical need cases and outside of business hours to ensure customer service standards are met even during these unique circumstances

McGill University - Inferential Statistics (EPIB 607)

September - December 2018

Teaching Assistant

- Held weekly office hours to assist graduate-level students with comprehending biostatistical concepts such as multivariable, hierarchical and longitudinal modelling and utilizing software program R for various epidemiological analyses
- Graded course materials such as assignments and quizzes and returned feedback in a timely manner
- Assisted course instructor through various tasks such as invigilation of examinations to achieve a smooth delivery of the course

Tim Hortons

May 2013 - October 2013 & September 2016 - July 2017

Customer Service Team Member & Supervisor

- Supervised and directed the activities of other team members to achieve the standards of service goals set by the organization
- Monitored and maintained an adequate supply of products and requested necessary resources when products were running low
- Performed under stress, fast-paced and multitasking conditions while maintaining an effective work environment

Between Friends

September 2015 - December 2016

Program Recreation Leader

- Maintained a constant line of communication with the parents and guardians of the participants in order to keep them informed about the improvements and areas that needed development in participants
- Worked in coordination with the staff to improve the programs to be better suited for the participants
- Developed a meaningful relationship with the participants and engaged in activities to enhance their experience

FIELD STUDIES AND INTERNSHIP PROJECTS:

Alberta Health Services - Calgary Laboratory Services

May - August 2018

Practicum Student / Analyst

Awarded

Graduate Excellence Award in Epidemiology and Biostatistics	\$6,000.00
Basic International Graduate Mobility Award	\$750.00

- Collected, prepared and managed administrative health data from the CLS database and Malaria History Forms to understand risk factors associated with imported malaria in the visiting friends and family traveler population
- Conducted quantitative analyses using multivariable logistic regression in R to investigate epidemiological factors associated with testing positive for malaria
- Contributed to the knowledge translation process of study results utilizing various occasions such as presenting at conferences and team meetings and publishing in recognized peer-reviewed journals

Presbyterian Community Based Rehabilitation - Sandema, UER

May - August 2016

Internship in Development in Ghana

Awarded

Stipend	\$6,000.00
International Study Travel Grant	\$1,200.00

- Evaluated the effectiveness of programs directed towards increasing the quality of life of people with disabilities in Northern Ghana by conducting focused group interviews, literature reviews and by collecting and analysing data
- Liaised with marginalized populations in the community, key stakeholders and community leaders to promote rights and improve living conditions of people with disabilities
- Participated in community sensitizations to build awareness regarding resources available to people with disabilities and to educate the public about minimizing social stigma and discrimination

Independent Study in Quantitative Ecology - University of Calgary

January - April 2016

With Dr. John Post

- Worked independently and in coordination with the supervisor on a regular basis to achieve the end goals of the project, keeping him updated on the progress and seeking guidance when necessary
- Used Least Ordinary Squares, Maximum Likelihood and Monte Carlo modelling approaches to conduct risk assessments in Fisheries using R and Excel
- Applied the Schaefer Model to fishery dynamics in Sri Lanka to construct a maximum economic yield for the Spanish Mackerel industry

Aquatic Ecosystems and Communities - University of Calgary

September - December 2014

With Dr. Samba Ka

- Developed, proposed and conducted a study on the effects environmental pollution resulted by the 2013 flood in Alberta on nutrition levels, algal biomass and biodiversity of macroinvertebrates in Sibbald Lake
- Analyzed total phosphate and dissolved phosphate levels in water samples using spectrophotometric readings and a derived regression equation
- Collected data required for the study using Ekman grabs, Surber samplers, plankton nets and etc

VOLUNTEER EXPERIENCES:

Global Brigades - Honduras

April 2016 - May 2016

Public Health Brigadier

Awarded

Student Activities Fund

\$200.00

- Worked in coordination with water and medical brigades and other stakeholders to provide a sustainable solution for the health concerns in the community
- Constructed a pillar, latrine and a cement floor as preventative environmental measures against airborne and waterborne illnesses in the community
- Educated children in the assigned community about personal hygiene practices and making healthy choices regarding food and exercise

Women's Resource Center - University of Calgary

September 2013 - April 2016

Volunteer Engagement and Development Team Leader

- Assisted in recruitment, training, supervision and mentorship of fellow volunteers within the team
- Liaised with other groups such as Native Center and LGBTQ community when repressing the WRC and educating the public regarding issues such as mental health, sex and gender wellness, nutrition etc.
- Organized, assisted and participated in events that emphasized the volunteer interaction and engagement within the organization

Alberta Health Services

June 2013 - May 2015

Peter Lougheed Centre - Emergency and Palliative Care Volunteer

- Listened to and talked with the end of life care patients, emergency patients and their families to help alleviate the emotionally distressed situation
- Helped with organizing and participated in activities in the Hospice that would facilitate the interacting among patients
- Helped clinical nurse aids with refilling bedside supplies, blankets and distributing meal trays

PUBLICATIONS:

Under Review

Marsinghe D.H, Butalia S, Garies S, Drummond N, Kim J.W, Senior P.A (2022). Low use of guideline recommended cardiorenal protective antihyperglycemic agents in primary care: a cross-sectional study of persons with type 2 diabetes. Canadian Journal of Diabetes.

Published Articles

Marasinghe D.H, Cheaveau J, Meatherall B, Kuhn S, Vaughan S, Zimmer R, Pillai D (2020). Risk of malaria associated with travel to malaria-endemic areas to visit friends and relatives: a population-based case-control study. Canadian Medical Association Journal Open, doi: 10.9778/cmajo.20190070

Cheaveau J, Marasinghe D, Pharm-D SA, Deardon R, Naugler C, Chin A, Pillai DR (2019). The impact of malaria on liver function: a retrospective cohort study, 2010-2017. Open Forum Infectious Diseases, <https://doi.org/10.1093/ofid/ofz234>

Cheaveau J, Nguyen H, Chow B, Marasinghe D, Mohon AN, Yuan H, Viana G, Schalkwyk DV, Church D, Chan W, Pillai DR (2018). Clinical validation of a commercial LAMP test for ruling out malaria in returning travelers: a prospective diagnostic trial. Open Forum Infectious Diseases, ofy260, DOI 10.1093/ofid/ofy260

Girma S, Cheaveau J, Mohon AN, Marasinghe D, Legese R, Balasingham N, Abera A, Feleke S, Golassa L, Pillai DR (2018). Prevalence, epidemiological risk, and clinical effects of asymptomatic malaria based on ultrasensitive diagnostics: a cross-sectional study. *Clinical Infectious Diseases*, ciy1005, <https://doi.org/10.1093/cid/ciy1005>

Abstract Publications and Poster/Oral Presentations

Marasinghe D.H, Butalia S, Garies S, Drummond N, Kim J, Senior P (2021). Mind the gap: low use of guideline recommended cardiorenal protective antihyperglycemics in primary care. *Canadian Journal of Diabetes*, 45(7);S31-S32

Marasinghe D.H, Butalia S, Garies S, Drummond N, Kim J, Senior P. Mind the gap: low use of guideline recommended cardiorenal protective antihyperglycemics in primary care [Poster]. 2021 Diabetes Canada/CSEM Professional Conference. Virtual Conference. November 22nd - 26th, 2021

Wycliffe-Jones K, Pasricha R, Mayne M, Marasinghe H, Morros M, Kinze S, Mackenzie M, Papineau A, Dufour K. Do Canadian medical graduates perceive the selection process for Family Medicine Residency Training in Canada as fair? [Poster]. *Canadian Conference on Medical Education (CCME)*. Virtual Conference. April 18th - 20th, 2021

Garies S, Marasinghe DH, Barrick K, Aghajafari F, Quan H, Williamson T (2021). Validating primary care EMR data for Osteoarthritis [Poster]. *Alberta College of Family Physicians Family Medicine Summit*. Virtual Conference. March 5th - 7th, 2021

Garies S, Cummings M, Marasinghe DH, Queenan J (2021). Methods for defining a patient denominator in the Canadian Primary Care Sentinel Surveillance Network (CPCSSN) database: recommendations for best practices [Poster]. *Alberta College of Family Physicians Family Medicine Summit*. Virtual Conference. March 5th - 7th, 2021

Marasinghe H, Cheaveau J, Meatherall B, Kuhn S, Vaughan S, Zimmer R, Pillai D (2019). A population-based case-control study evaluating the risk of acquiring malaria in those visiting friends and relatives (VFR) in Calgary, Canada (2013 - 2017) [Oral]. *15th Annual EBOH Research Day*. Montreal, QC, Canada. March 15th, 2019

Marasinghe DH, Cheaveau J, Demissie SG, Abera A, Feleke S, Golassa L, Mohon AN, Legese R, Balasingam N, Pillai DR. Prevalence, epidemiological risk and clinical effects of asymptomatic malaria based on ultrasensitive diagnostics [Poster]. *ASTMH 67th Annual Meeting*. New Orleans, LA, USA. October 29th, 2018

CERTIFICATIONS:

Ethics of Touch - DDRC	January 2019
Occupational Health and Safety - DDRC	January 2019
Privacy Law - DDRC	January 2019
Back Care - DDRC	January 2019
Medication Administration - Vecova	December 2019
Quality of Life - DDRC	December 2019
Positive Behaviour Support - DDRC	December 2019

Recognizing Abuse - DDRC	December 2019
Suicide Awareness - DDRC	December 2019
Community Development - DDRC	November 2019
Workplace Hazardous Material Information System (WHMIS) - DDRC	November 2019
Non-Violent Crisis Intervention - CPI	November 2019
Conflict Resolution - DDRC	November 2019
Standard First Aid CPR/AED Level C - Red Cross	November 2019
A valid Alberta Driver's Licence and access to an operational motor vehicle	July 2019
Basic Food Safety Certification - BASICS.fst 3 rd Edition	April 2017
Bamfield Marine Field Skills - BMSC British Columbia	February 2015

**References available upon request