

AMRITPAL KHAKH

#417 3420 50th Street NW, Calgary, AB T3A 2E1
604-401-8585 | amritpal.khakh@ucalgary.ca

EDUCATION

Master of Geographic Information Systems: *University of Calgary, Calgary, AB* 2016 - 2017
Thesis: Measuring spatial accessibility of healthcare facilities across the City of Calgary

- Select courses included: Advanced Geographic Information Systems (ArcGIS Desktop, ArcGIS Online), Research and Applications in Remote Sensing (eCognition, PCI Geomatica, ERDAS Imagine, DroneDeploy) Environmental Chemistry and Microbiology, Advanced Spatial Analysis and Modeling (in R, SPSS and STATA software), Introduction to Programming in GIS (Python)

BSc. Public Health & Molecular Biology and Biochemistry: *Simon Fraser University, Burnaby, BC* 2010 - 2015

- Graduated on the Dean's Honors List
- Select courses included: Cancer, Cardiovascular Disease, Environmental Health & Sustainability, Pharmacology and Toxicology, Social Determinants of Health, Mental Health and Illness, Human Ecology and Health, Human Pathophysiology, Health Ethics

ACADEMIC AWARDS

- Canadian Open Data Summit 2017: *City of Edmonton, \$1,500* 2017
- Ken Caple Transfer Scholarship: *Simon Fraser University, \$3,500* 2010 - 2011
- UBC President's Entrance Scholarship: *University of British Columbia, \$500* 2009
- UBC Travel Award: *University of British Columbia, \$500* 2009
- Alexander Rutherford Scholarship: *Alberta High School, \$3,100* 2009

CONFERENCE ABSTRACTS

Khakh, A. (October 11, 2017). Value of Open Data. CODS17: City of Calgary, Calgary Municipal Building, AB

Khakh, A., and Fast, V. (2017). Measuring spatial accessibility of healthcare services in Calgary. Walk21 Calgary: (re)Connecting Community Together: September 19-22, 2017: Calgary, AB

WORK EXPERIENCE - RESEARCH

Researcher: *Department of Geography, University of Calgary - Calgary, AB* Apr. 2017 - Dec. 2017

- Master's program project with a focus on measuring spatial accessibility to primary healthcare facilities in the City of Calgary. select responsibilities:
 - Created road, pedestrian and public transportation networks using ArcGIS's Network Analyst extension
 - Generated service areas to identify the underserved regions of the City of Calgary
 - Collaborated with Alberta Health Services and the City of Calgary's GIS teams to optimally disseminate the relevant health information

Research Volunteer: *CoHeaRT Lab, St. Paul's Hospital - Vancouver, BC* 2014 - 2016

- 2-year volunteer work for Prospective Urban and Rural Epidemiological (PURE) Study; acquiring an understanding of the importance of data collection and circulation in conducting Public Health research; select responsibilities:
 - Performed data entry tasks associated with the study using MS Access, MS Excel and IData software
 - Organized files containing confidential and sensitive information (physical measurements, medical history, household, and physical activity information) for data entry

Research Associate/Field Surveyor: *Simon Fraser University - Burnaby, BC* 2014 - 2015

- Position was part of formulating a community report outlining the potential health impacts from the expansion of the Kinder Morgan Pipeline in Burnaby, British Columbia; select responsibilities:
 - Presented the carcinogenic properties of the constituent of gasoline, Benzene, in the report
 - Formulated a proposal report for National Energy Board hearing, on behalf of local community members

WORK EXPERIENCE – CUSTOMER SERVICE

Data Entry Clerk: *UPS Customer Center - Calgary, AB* Jun. 2017 – Dec. 2017

- Started in June 2017, select responsibilities:
 - Entered shipment information in OPSYS software for international export
 - Performed SQL queries to search customer records
 - Collaborated with team members to ensure packages are delivered in a timely manner

Receptionist/Data Entry Clerk: *OfficeTeam - Vancouver, BC* 2016 - 2017

- Multiple positions included performing data entry roles at the OfficeTeam client locations
- Multiple positions included covering reception at different OfficeTeam clients' locations (including Dialog, ParaMed, Silvercorp Metals Inc.; select responsibilities:
 - Transferred information from google spreadsheet to the Terminos T24 banking system at Vancity
 - Managed the busy main switchboard, handled, and transferred calls appropriately
 - Managed outgoing and incoming mail and logged them into excel spreadsheet for records

Cashier: *Costco Wholesale - Surrey, BC* 2011 - 2016

- Position included demonstrating exceptional people skills (experience in problem solving, deescalating situations, handling complaints); select responsibilities:
 - Processed debit, credit and cheque transactions on the cash register in an efficient manner
 - Trained new employees on cash register and provided them with the appropriate safety training
 - Acquired an understanding of the importance of efficiency and accuracy in the role of cashier

PROFESSIONAL DEVELOPMENT

Data Management Workshop: *U. of Calgary* April 2017

- Completed training in managing data before, during, and after research and in workplace; gained skills of using the Data Management Plan Assistant tool for creating data management plans

Map Your Data with ArcGIS Maps for Office: *ESRI online training* October 2016

- Gained proficiency in visualizing MS Excel data on a map, and in performing spatial analyses such as HotSpot

Integrating R Scripts into ArcGIS Geoprocessing Tools: *ESRI online training* October 2016

- Learned to generate geoprocessing script tool in ArcGIS to utilize the capabilities of R software

COMMUNITY SERVICE

Welcome & Wayfinding Volunteer: *Surrey Memorial Hospital - Surrey, BC* 2010 - 2012

- Structure of this position was designed with the aim to help patients and visitors in navigation; select duties:
 - Supported patients and visitors of hospital by welcoming them and providing directions
 - Kept the information desk organized for accurate information delivery in a timely manner

Surgical Unit Nurse's Aide: *Grey Nuns Community Hospital - Edmonton, AB* 2007 - 2009

- 300-hours of volunteer work performed in the surgical unit of hospital; select duties:
 - Helped unit nurses with their paperwork and kept it organized
 - Served dinner to patients per their dietary restrictions
 - Escorted visitors to the designated places in hospital

MEMBERSHIPS AND INTERESTS

- **Canadian Society for Epidemiology and Biostatistics:** member 2017 - Present
- **GoGeomatics Canada:** member 2017 - Present
- **Sikh Students' Association:** member, University of Calgary - Calgary, AB 2016 - Present