

Employment

University Health Network - Genetic Technologist Toronto, ON

March 2015 - April 2018

- Molecular profiling of tumor samples using NextGen sequencing and other molecular techniques such as MLPA and Sanger sequencing
- Performed analysis on NGS sequencing data
- Worked as effective member in a highly collaborative team environment
- Took part in various continuing education events such as lectures, workshops, conferences etc.
- Participated in journal clubs and reviewed and presented journal article on machine learning in genetics and genomics

Clinical Placements

Mount Sinai Hospital - Student Genetic Technologist Toronto, ON

Sept 2014 - February 2015

- Performed routine and cytogenetic techniques such as: G-Banding, cell culture, fixation, FISH etc.
- Routine molecular genetics techniques such as: Nucleic acid extractions, sanger sequencing, MLPA, RFLP
- Worked with variety of samples including prenatal tissue, FFPE
- Worked on validation and protocol development for automated FFPE extraction
- Participated in several continuing education activities including: Genetic counsellor shadowing, medical rounds, amniocentesis observation, seminars etc.

University Health Network - Student Genetic Technologist Toronto, ON

December 2014

- Performed routine karyotyping
- Performed routine cytogenetic cell processing, fixation and slide preparation
- Reviewed and presented journal club paper on cancer sequencing study design

Education

University of Waterloo

March 2017 - Current

Master of Health Informatics (MHI)

The Michener Institute

September 2013 - February 2015

Post Graduate Diploma - Genetics Technology

University of Waterloo

September 2009 - April 2013

Bachelor of Science (BSc) - Biomedical Science

Professional Affiliations / Certifications

College of Medical Laboratory Technologists Ontario (CMLTO)

Member since August 2015. Licensed to Practice as a MLT - Genetics in Ontario.

Skills & Knowledge

Technical Skills

R	••••	Teamwork
Python	•••	Systems Thinking
Bash	••	Collaboration
SQL	•••	Communication
Node.js	••	Public Speaking
Express.js	••	

Soft Skills

Other

Medical Genetics, Cancer Informatics
IGV, Clinical Trials, Molecular Biology,
Population Health,
Statistical Reasoning,
Scientific Literature Review

Projects

Stayin Alive

Hack The North 2018 team project:
Analysis and visualization for
SNPs associated with time-to-event
data (eg. adverse drug events).
Tools: Python3 w/ Lifelines, pandas,
& Bokeh libraries

Personal Website

Personal page to experiment with
web-development, share information
about myself, and to showcase
projects

Tools: HTML, CSS, JS, Bootstrap

Volunteer & Activities

Hack the North 2018

Hacker/ Participant - Successfully
completed and presented project.
Attended talks and works shops on
data science, web development and
distributed computing.

Equithon 2018

General Volunteer - Assisted with
set-up, tare-down, registration,
and served food to participants.

UHN SPICE + B 2016

Summer Program In Clinical
Epidemiology and Biostatistics -
Learned about real world clinical
importance of statistical reasoning
and analysis. Completed workshop
activities.

Self-Learning

Edx.org:

- Introduction to Computer Science and Programming Using Python
- Introduction to Computational Thinking and Data Science

Coursera.org:

- Data Analysis and Statistical Inference
- Statistical Reasoning for Public Health