

Gary Tong

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Academic Information

Bachelor of Science

Honours in Computer Science

University of Manitoba, Winnipeg, MB

Anticipated completion August 2017

Honours Bachelor of Science

Major in Medical Sciences/Major in Biology

4- year Cumulative Average: 81.3/100%

University of Western Ontario, London, ON

June 2014

Ontario Secondary School Diploma

- Extended French Certificate

St. Aloysius Gonzaga Secondary School, Mississauga, ON

June 2010

Programming Skills

Proficient Programing Languages: R, C, Java

Research/Work Experience

Summer Research Student

Children's Hospital Research Institute of Manitoba

- Gathered autism patient genetic sequence information from large Autism Genome Project database
- Conducted analysis on gene segments related to cause of Autism
- Used R and other statistical packages for data analysis

2015

Honours Thesis Student

University of Winnipeg Biology Department

- Bioinformatic analysis of upstream and downstream flanking regions in non-coding regions of RYR1
- Using mVISTA to conduct comparative genomic analysis of various teleost fish species
- Interest in identifying areas of conserved nucleotide sequences as potential gene regulatory elements
- Conserved sequences will be cloned into zebrafish embryos for functional analyses

2015

Summer Research Student

Department of Molecular Genetics/Sick Kids Research Institute

- Stained C2C12 mouse myoblast cells with immunofluorescence
- Conducted Western Blots to look for protein interactions with novel gene CCDC78
- Research related to finding pathogenesis of Central Nuclear Myopathies

2014

Research Assistant

Department of Anatomy and Cell Biology, University of Western Ontario

- Stained rat brain sections using immunohistochemistry
- Analyzed cell nuclei with light microscopy and fluorescence microscopy
- Sectioned rat brain with microtome
- Research related to finding proteins responsible for neurodegenerative diseases

2012

Campus Tour Guide

2011-present

UWO Undergraduate Recruitment, Office of the Registrar, London Ontario

- Gave campus tours to potential applicants
- Provided information about campus facilities and relevant program information
- Required to be knowledgeable with an extensive list of facts and numbers about the university
- Answered questions from secondary school applicants regarding career choice and student life

Lifeguard

2011

Jadaco Pools and Recreation, Brampton ON

- Handled various hazardous pool chemicals such as chlorine pellets and liquid chlorine
- Became familiar with WHMIS symbols and the safety procedures required to handling chemicals
- Monitored pH and Bromine levels with phenylalanine and Bromothymol blue at periodic intervals
- Worked independently and contacted supervisor if problems arose
- Managed a large group of people and ensured rules and safety regulations were followed
- Responsible for the maintenance of pool facilities such as pool filters and chlorinating system

Math Tutor

2008-2010

The Learning Paradise Mississauga, Ontario

- Supervised an after school math class for young children
- Interacted with young children and helped them to develop problem-solving skills
- Worked in a classroom-type setting
- Learned how to interact with children who had learning disabilities
- Mediated conflicts and maintained a safe and friendly environment for students

Foreign Language Abilities/Skills

English

- Fluent in oral, written and reading skills

French

- Competent fluency in oral, written and reading skills

Cantonese/Mandarin

- Fluent in oral and written skills

Professional Licences/Certifications

- National Lifeguard Service and AED Certificate certified from 2010-2012
- Standard First Aid CPR-C certified from 2010-2012

Scholarships and Awards

- Western Entrance Scholarship
- 2010 Queen Elizabeth II Aiming for the Top Scholarship
- 2011/2012/2014 Dean's Honour List University of Western Ontario
- 2015 Dean's Honour List University of Winnipeg

References

Available upon request