MEGAN CHANG

Toronto, ON, Canada
Email: megan.chang14@gmail.com

SKILLS

- **Languages:** Java, Python, C, Shell Scripting, XML, SQL, HTML, CSS, JavaScript
- **Programs:** MATLAB, Matplotlib, PyMol, VMD, LaTeX, Affinity Designer, NMRViewJ

EDUCATION

Western University, London, ON   2019–2021
Thesis-based Master of Science, Biochemistry (MSc)
- Dean's Honors List
- Published:
  - **Chang, M.** Elucidating the Structural and Dynamical Properties of the Intrinsically Disordered Protein Nrf2 Using Molecular Dynamics Simulations. *Electronic Thesis and Dissertation Repository* 2021.
    https://ir.lib.uwo.ca/etd/8293.
  - **Chang, M.**; Wilson, C. J.; Karunatilleke, N. C.; Moselhy, M. H.; Karttunen, M.; Choy, W.-Y. Exploring the Conformational Landscape of the Neh4 and Neh5 Domains of Nrf2 Using Two Different Force Fields and Circular Dichroism. *J. Chem. Theory Comput.* 2021, 17 (5), 3145–3156. https://doi.org/10.1021/acs.jctc.0c01243.
  - Wilson, C. J.; **Chang, M.**; Karttunen, M.; Choy, W.-Y. KEAP1 Cancer Mutants: A Large-Scale Molecular Dynamics Study of Protein Stability. *Int. J. Mol. Sci.* 2021, 22 (10), 5408. https://doi.org/10.3390/ijms22105408.

Western University, London, ON   2015–2019
Bachelor of Medical Science, Honors Specialization in Computational Biochemistry (BMSc. Honors)
- Dean's Honors List
- Thesis Project (Sept 2018–April 2019)
- Research Project (Sept 2017–April 2018)
  - Acknowledgement in:
    - Li, Y.; Shirley, B. C.; Wilkins, R. C.; Norton, F.; Knoll, J. H. M.; Rogan, P. K. Radiation Dose Estimation by Completely Automated Interpretation of the Dicentric Chromosome Assay. *Radiat. Prot. Dosimetry* **2019**, *186* (1), 42–47. https://doi.org/10.1093/rpd/ncy282.

EXPERIENCE

Metro Pharmacy, London, ON   June 2019–August 2019
Pharmacy Assistant
- Provided outstanding customer service
- Prepared prescriptions accurately and efficiently
- Acquired knowledge of medications quickly

Victoria Hospital & Children's Hospital – LHSC, London, ON   Sept 2017–Present
Research Assistant
- Systematic Review: Cardiac Function in Sepsis
- Retrospective Cohort Study: Analysis of the Burden of ICU Survivorship
    - Poster Presentation at London Health Research Day, London, ON
        - More than 700 people in attendance
        - Participants from health science labs from Schulich School of Medicine & Dentistry, Robarts Research Institute, Lawson Health Research Institute, London Health Sciences Centre and St. Joseph's Health Care London

Dairy Queen, Scarborough, ON   May 2017–August 2017
Food and Beverage Associate
- Provided exceptional customer service
- Prepared products quickly and efficiently
- Processed customer transactions accurately
- Cleaned equipment and stocked products

Victoria Hospital & Children's Hospital – LHSC, London, ON   Oct 2016–April 2017
Volunteer Clerical Assistant
- Volunteered a total of 71 hours at the REI Clinic, Audiology department and Trauma Program
- Organized medical records, made copies, mailed medical records, and assembled trauma care kits

ACTIVITIES AND INTERESTS

Western University, London, ON   Sept 2015–April 2016
Crafting for a Cure – Crafting Committee Member
- Not-for-profit registered charity creating positive experiences for children in hospitals
- Created and taught the crafts to the general members of the club
- Assisted with fundraising for the committee and assembled craft kits for the children

London School of Dance, Scarborough, ON   Sept 2001–June 2015
Dance (classical and competitive training)
- Achieved the highest vocational graded level in ballet - **ARAD (Associate status for the Royal Academy of Dance)**
- Achieved the highest vocational graded level in jazz - **ABATD (Associate member of the British Association of Teachers of Dance in Jazz)**

AWARDS AND ACHIEVEMENTS

- Western University, Western Scholarship of Distinction (2015)