KENNETH TRUONG kenneth.truongk@gmail.com

(647)-702-4970

EDUCATION

University of Guelph – M.Sc. Food Science University of Waterloo – B.Sc. Honours Co-operative Chemistry

2024 - 20262018 - 2023

Analytical Chemistry Lab:

- Efficiently performed laboratory experiments with precision and accuracy to obtain quality results within a tight timeframe
- Other skills and concepts acquired: various titration methods, gravimetric analysis, spectrophotometry, producing calibration curves, electrochemistry, fluorometric quantification, IC, gas chromatography (GC-FID, GC-MS), LC-MS, HPLC, SPME

RESEARCH INTERESTS

Investigations of the supramolecular nature of chocolate tempering through the study of the nanostructures and microstructures within chocolate

RESEARCH EXPERIENCE

Research Assistant

Department of Food Science, University of Guelph, Guelph, ON

- Gained proficiency in using a novel laboratory USAXS machine to analyze complex food systems including cheeses and chocolates to better understand the microstructures
- Analyzed experimental data of cheese samples to interpret the structural characteristics in order to improve on the physical properties of the food
- Assisted in writing and drafting book chapters and research papers, contributing to the ٠ dissemination of food structure research

Research Assistant

Department of Chemistry, University of Waterloo, Waterloo, ON

- Performed over 200 molecular dynamic simulations of protein and quantum dot systems to understand the aggregation effect of Alzheimer's disease
- Conveyed ability to interpret computational data calculations and analysis to discover trends and • effects of molecular interactions within systems of interest
- Extensively researched scientific literature to explain, compare and back up experimental • findings to reach conclusions on studied protein systems

PROFESSIONAL EXPERIENCE

Quality Control Technician

Lorama Group Inc., Mississauga, ON

- Conducted comprehensive quality control testing on various products, including colourants, LPR samples, and gel products, ensuring compliance with industry standards and specifications
- Utilized advanced laboratory equipment and testing methodologies to perform thorough analysis and evaluation of raw materials and finished products
- Participated in research projects aimed at finding alternative ingredients for specific formulas, • resulting in cost savings and improved product performance

May. 2024 – Aug. 2024

Sept. 2020 – Dec. 2020

