

**Cashmeira-Dove Tyson**  
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**EDUCATION:**

09/2020 – present      **Masters of Neuroscience (M.Sc.)**  
University of Western Ontario

09/2016 – 04/2020      **Bachelor of Science (B.Sc., Honours) in Biological Science**  
University of Ontario Institute of Technology  
Specialization: Life Science  
Minor: Forensic Psychology

*Capstone Thesis:* The Effects of Rainbow Trout Diet on Plasma Metabolomic Biomarkers  
In progress under the supervision of Dr. Denina Simmons

**SKILLS:**

Personal Skills

- Strong organizational skills, with the ability to prioritize and task manage
- Strong written communication skills developed through a capstone thesis project, scientific report writing, and extracurricular activities.
- Confident articulate and professional speaking skills enhanced through participating in conference poster presentations
- Ability to teach and mentor
- Efficient at strategic planning and conflict-resolution
- Effective communication, interpersonal and relationship building skills
- Conscientiousness and determination
- Proficient in Microsoft Office applications.
- Bilingual (B2 certified in French)

Laboratory Skills

- Able to perform protein assay via Qubit Fluorometer
- Able to perform triglyceride calorimetric assay
- Strong understanding of UV spectroscopy and able to analyze wavelengths of light
- Able to perform Microscopy and sufficiently use stereo, compound light and dissecting microscopes to observe minute organisms
- Able to culture bacteria on various media such as agar gel
- Strong understanding of Gel Electrophoresis and effectively separates charged molecules
- Able to transform cells via plasmid purification and amplification
- Efficiently performs quantitative titrations
- Effectively characterizes product purity via  $^1\text{H}$ -NMR,  $^{13}\text{C}$ -NMR, and IR spectroscopy
- Able to use chromatography to sufficiently separate heterogeneous mixtures
- Able to effectively graph and analyze statistical data from lab experiments
- Understands safety hazards in the lab and the importance of SDS

**EMPLOYMENT:**

09/2020 – present

**Teaching Assistant**

- Teaches and reviews research methods in psychology in weekly lab sessions to second year undergraduate students. Runs labs and office hours by zoom, and grades weekly homework and in-class assignments, as well as final projects.

05/2019 – 09/2019

**Research Assistant**

Dr. Denina Simmons Aquatic Toxicology; Aquatic Omics Lab, UOIT

- Responsibilities include external examination of fish, assisting with fish caging in local bodies of water, graphing, testing and analyzing data, sample preparation for proteomics and metabolomics, and assisting graduate students with their Master's thesis projects.

04/2017 – 08/2020

**Clubhouse, Beer-cart and Banquet Server**

Kedron Dells Golf Course, Oshawa

- Open and close store registers and manages inventory. Assists customers and transactions and provides quality customer service as well as supervising and training new staff. Supervises and trains new staff on standard procedures and daily activities.

09/2016 – 08/2020

**Part-time Sales Associate**

Adidas, Oshawa

- Maintains a constant presence on sales floor to handle merchandise, transactions and assist and address customer needs. Supports the management, visual and sales team. Maintains selling floor, fitting rooms, displays, presentation of merchandise and manages inventory and restock.

02/2016 – 04/2016

**Respite Worker, Oshawa**

Looked after two children with muscular dystrophy and helped with their special needs performing stretches, and putting on leg braces. Also assisted with daily housework.

03/2014 – 10/2016

**Part-time Sales Associate**

The Shoe Company, Oshawa

- Provided customer service in assisting the location, availability and selection of merchandise. Maintained selling floor, displays, and presentation of merchandise. Opened and closed all store registers.

**EXTRACURRICULAR INVOLVEMENT:**

10/2020- present

**Society of Graduate Students (SOGS) Neuroscience representative**

University of Western Ontario

- As part of the council, represents the neuroscience community within the largest graduate student advocacy organization and government at UWO. Engages in debate, and helps to provide services, benefits and programs to ameliorate the grad school experience.

05/2018 – 04/2019

**Science Council, Vice President of Student Life**

University of Ontario Institute of Technology

- Represented the Science Faculty of UOIT and aimed to better the quality of the student experience. Responsibilities included to create, run and budget social events for the student body and to teach, mentor and delegate tasks to directors to run events smoothly.

02/2019– 05/2019

**Science Rendezvous Organizer, Marketing and Media**

University of Ontario Institute of Technology

- Collaborated with a student run team to create a fun, family-friendly, hands-on science community outreach event for all ages.

05/2018

**Science Rendezvous Volunteer**

University of Ontario Institute of Technology

- Interacted with youth and parents to demonstrate the significance of Science in our society.

2018 – 2019

**Science Council Information Booth Volunteer**

University of Ontario Institute of Technology Winter Open House

- Provided information to students about club events with peers, volunteering opportunities, campus facilities and answered questions pertaining to science programs at the university.

2017 – 2018

**Biological Science Program Tour Guide/ Program Booth Volunteer**

University of Ontario Institute of Technology,

- Guided prospective students and parents throughout the university campus, and answered questions pertaining to the program.

**PROFESSIONAL COURSES:**

- 11/2020 American College of Veterinary Surgeons(ACVS), hands on training
- 09/2020 Teaching Assistant Training program (TATP), Western University
- 04/2019 Canadian Council on Animal Care's Animal User Training Program
- 04/2019 Accessibility for Ontarians with Disabilities Act (AODA) Training
- 04/2019 Accessibility Standards for Customer Service Training
- 04/2019 Health and Safety Orientation for Workers
- 04/2019 Workplace Violence and Harassment Prevention
- 10/2018 Workplace Hazardous Materials Information System (WHMIS) Training
- 07/2018 OSSA (Ontario Science Student's Association) Executive training
- 09/2017 Lab Safety Training
- 05/2017 Smart Serve Responsible Service Training Program

### **RELEVANT POST SECONDARY COURSES:**

<i>Biochemistry</i>	Biochemistry I BIOL 2080U Biochemistry II BIOL 3060U
<i>Biology</i>	Cell Biology BIOL 2030U Genetics and Molecular Biology BIOL 2020U Human Anatomy BIOL 2050U Introductory Physiology BIOL 2010U Principles of Pharmacology and Toxicology BIOL 3020U Developmental Biology BIOL 3051U Animal Physiology BIOL 3040U Fundamentals of Neuroscience BIOL 3060U Fundamentals of Nutrition BIOL 3650U Biology Thesis Project I BIOL 4410U Bioethics BIOL 4080U Neuropharmacology BIOL 4820U
<i>Chemistry</i>	Introduction to Organic Chemistry CHEM 2020U Organic Chemistry CHEM 2120U
<i>Computer Science</i>	Introduction to Programming for Scientists CSCI 1040U
<i>Psychology</i>	Introductory Psychology PSYC 1000U Developmental Psychology PSYC 2010U Abnormal Psychology PSYC 2030U
<i>Statistics</i>	Statistics and Probability for Biological Science STAT 2020U

### **SCHOLARSHIPS:**

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|--------|--|
| ▪ 2016 | Award of Recognition Entrance Scholarship  |
| ▪ 2019 | Award of Recognition In Course Scholarship |

### **HONOURS AND AWARDS:**

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|--------------------|--------------------------|
| ▪ 09/2019– 12/2019 | President's Honours List |
| ▪ 01/2019– 04/2019 | President's Honours List |
| ▪ 09/2018– 12/2018 | Dean's Honours List      |
| ▪ 2016             | Ontario Scholar          |
| ▪ 2012 – 2016      | Honour Roll              |

