Brenden Gray

Email: brenden1104@gmail.com | **Website:** `https://brendengray.ca`

Professional Experience

Math Learning Centre Tutor
Vancouver Island University
Sep 2023 – June 2025

- Helped students with their homework, study habits, confidence, and understanding of topics in their math courses.
- Provided a friendly and supportive environment for drop-in tutoring.
- Primarily assisted with pre-algebra, calculus, discrete math, and statistics.

Undergraduate Research Assistant
Vancouver Island University
May 2024 – Aug 2024

- Supervised by Dr. Melissa Huggan with funding from an NSERC USRA.
- Conducted a literature review into graph theory and pursuit-evasion game theory, with a focus on the damage number of a graph.
- Proved a novel result, prepared several presentations, and wrote Python code using the NetworkX package to help verify results.

Computer Science Help Centre Staff
Vancouver Island University
Jan 2023 – Apr 2023

- Assisted students with their first and second year computer science coursework, and guided them on how to use the Computer Science Department's servers.
- Wrote answers to commonly asked questions for a departmental database.

Education

Vancouver Island University
Expected: June 2026

BACHELOR OF SCIENCE IN MATHEMATICS

Minor in Computer Science

GPA: 4.15

Awards & Honours

2020–2025   **Dean's Honour List**, Vancouver Island University
2024   **NSERC Undergraduate Student Research Award (USRA)**, Vancouver Island University
2023   **Pieter de Reuver Foundation Science and Technology Award**, Vancouver Island University

Presentations

Sprouts
Online Conference
April 12, 2025

- Title: "Cops and a Destructive Robber"
- Abstract: `https://kyleburke.info/sprouts/sprouts2025`

Department of Mathematics Seminar
Vancouver Island University
September 20, 2024

- Title: "Cops and a Destructive Robber"
- Abstract: `https://scitech.viu.ca/mathematics/seminar`

Student Research Summer Showcase
Vancouver Island University
August 23, 2024

- Title: "Studying the damage number of graphs"

Volunteer Experience

Test Marker

Vancouver Island University
May 2, 2025

- Volunteered to mark tests for the 2025 BC Secondary Schools Math Contest.

Mathematics Department Student Representative

Vancouver Island University
March 28, 2025

- Talked with prospective Faculty of Science and Technology students and their parents.

Volunteer Tutor

Vancouver Island University
Sep 2021 – Dec 2021

- Tutored students in the Adult Basic Education math program.
- Attended a tutoring workshop.

Memberships

Canadian Mathematical Society

As of: July 2025

- University Sponsored Student Member

American Mathematical Society

As of: July 2025

- Student Member

Technical Skills

- LaTeX, TikZ, Overleaf
- C++, C, Python
- Unix / Linux CLI (Bash)