

ANDREAS BOSCARIOL

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EDUCATION

The University of British Columbia

Vancouver, Canada

Bachelor of Applied Science, Major in Engineering

Class of May 2027

- **Key Courses:** Introduction to Computation in Engineering Design, Introduction to Engineering I

Assumption College Catholic High School

Windsor, Canada

Full Diploma International Baccalaureate (IB) Program

Class of June 2023

- **GPA:** 94.6%; Class rank: 8/155
- **Awards:** Principal's Circle of Scholars (2020-2023)

EXTRACURRICULARS

UBC Uncrewed Aircraft System

Vancouver, Canada

Software Member

September 2023– Present

- Programmed in C++ for the Collision Detection project, utilizing LiDAR data for object detection and classification for drones.
- Applied noise reduction and downsampling to point clouds, enhancing data quality for obstacle identification.
- Implemented RANSAC and clustering algorithms to segment and group data, increasing the accuracy of collision avoidance systems.
- Developed algorithms for bounding box generation around obstacles, aiding in spatial awareness and navigation safety.

UBC Trading Group Analyst Team

Vancouver, Canada

First Year Representative

October 2023– Present

- One of two students selected from 100+ to join UBCTG first year representative team, a program that prepares students for a career in capital markets
- Served as a crucial link between UBC Trading Group's executive team and the first-year student body, ensuring a cohesive and supportive environment for new members.
- Participated in meetings and observed upper-year quantitative researchers and analysts, seeking to learn and understand the foundational practices of financial analysis.

Assumption Computer Science Club

Windsor, Canada

Co-President

September 2022– June 2023

- Co-founded computer science club; recruited 30 students; teaching younger members how to program in various languages; leading older members in weekly CTF competitions as well as coding problems.

Assumption Finance Club

Windsor, Canada

President

September 2022– June 2023

- Recruited 100 students; teaching members the fundamentals of corporate finance and personal finance 1-2 times a week; training members to use stock market simulation software; leading monthly competitions within the club and competing in regional competitions.

PERSONAL PROJECTS

Website Portfolio (andreasboscariol.com)

September 2022

- Designed and developed a personal website from scratch using HTML, CSS, and JavaScript to showcase my portfolio and technical skills.
- Created a responsive user interface with a focus on mobile-first design principles to ensure cross-device compatibility.

ADDITIONAL

Skills: 3D modeling (Fusion 360), C, C++, Java

Interests: Hackathons, CTFs, Finance, Reading