Zain Ul Abideen

902-989-7617 | Zain.abideen@dal.ca | LinkedIn | GitHub | Portfolio Website

EDUCATION

Dalhousie University | September 2023 - May 2027
Bachelor of Applied Computer Science - CO-OP - 3.76/4.30 CGPA | *Halifax, NS*

EXPERIENCE

IM/IT Student Analyst | May 2025 - August 2025
Nova Scotia Health Innovation Hub | *Halifax, NS*

- Partner with clinicians, researchers, and cybersecurity/privacy officers to turn clinical pain-points into digital-health pilot ideas, mapping each proposal to NSH security & privacy controls and speeding ethics/governance sign-off.
- Condensed a vendor risk-assessment questionnaire from 72 pages to 25 by removing duplicates and clarifying scope, simplifying the submission process for external partners.
- Led an environmental scan of multi-vital-sign wearables and hospital-at-home programs; delivered an evidence brief on regulatory status and data residency that informed Innovation Hub device selection.
- Compared transcription platforms, recommendations are now referenced by project leads when choosing software.

Community Assistant Team Member | January 2024 - August 2025
Dalhousie University | *Halifax, NS*

- Analyzed 55+ students' needs and mapped engagement processes to increase resident participation by 25%, fostering inclusivity and collaboration.
- Organized bi-weekly events such as vinyl paint night and story-telling 101, increasing resident engagement by 25%
- Completed training in conflict resolution, mentoring, and wellness management, enhancing leadership capabilities.

PROJECTS

Candlelight (GitHub) | *React, Leaflet, JS* | June 2025

- Created a privacy-first harassment-reporting app that auto-locates nearby SANE resources; shipped end-to-end in a 30-hour hackathon.
- Built interactive Leaflet map with custom candle markers and JSON-driven distance matching.
- Designed searchable resource hub and `Hide Me` panic button that opens a safe tab and instantly replaces the page.

Attenti-Metre (GitHub) | *Psycho Py, EEG* | March 2025

- Led EEG data-analysis sub-team; built gamified "Where's Waldo" task to measure beta-wave attention for potential ADHD screening.
- Secured 3rd place in the hackathon.

I Dee Dee (Intoxication Detection Device) (GitHub) | *Figma* | January 2024

- Developed an AI-based detection system using data-driven methodologies, demonstrating analytical rigor and compliance with user safety standards.
- Designed an interactive user interface prototype in Figma to address the user testing experience.
- Demonstrated the solution's effectiveness, achieving recognition as a top 5 finalist by presenting measurable accuracy and innovative features to a panel of experts.

AWARDS

Outstanding Community Builder | April 2024
Dalhousie Entrance Scholarship for Academic and Extracurricular Excellence | September 2023

LEADERSHIP & CAMPUS INVOLVEMENT

Community Assistant Team Lead | Dalhousie University | September 2025 - March 2026
VP Finance and Operations | DalOUT | September 2025 - March 2026
Summer Residence Advisor | Dalhousie University | May 2024 - August 2025
Together@Dal Computer Science Mentor | Dalhousie University | August 2024 - March 2025
Founder and President | Dalhousie Digital Photography Society (DDPS) | August 2024 - January 2025