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# ANDY TRAN

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## EDUCATION

**Edmonton, AB** **University of Alberta** **September 2021 – May 2025**

Bachelor of Science (Honors) in Computing Science.

### Academic Achievements:

- GPA: 4.0
- Coursework: Databases (CMPUT 291); Algorithms (CMPUT 204); Practical Programming Methodology in C (CMPUT 201); Computer Architecture and Organization (CMPUT 229); Basics of Machine Learning (CMPUT 267); Discrete Math (CMPUT 272).
- Dean's Honor Roll 2021-2022.
- University of Alberta International Entrance Citation valued at \$40,000.

## TECHNICAL EXPERIENCE

### Projects

- **HackED 2023 - Blog Website (2023)**. A React JS blog website built in a hackathon with four other group members using **TypeScript**, **Next.js**, **Sanity v3** and **Tailwind CSS**.
- **No-Music Spotify-Like Application (2022)**. A simple "no-music" music streaming platform built in a Database course (CMPUT 291) using **Python Tkinter** and **SQLite** where users can log in as users or artists and perform several actions on the platform, such as searching for a song or upload a new song.
- **Document Store Database Application (2022)**. Built in CMPUT 291 using **Python Tkinter** and **MongoDB**. The program is like a document store or an online library database where the users search for their favorite articles, add their own papers, or inspect which articles are the most referenced.
- **Simon Game Web Application (2022)**. The famous Simon Game is implemented on the web app for users to play; built using **Bootstrap** and **jQuery**.
- **Newsletter Sign-Up Application (2022)**. A newsletter sign-up website. Created using **Bootstrap** for the front end, **Node.js** with **Express** for the backend, and **Mailchimp API**.

## WORK AND VOLUNTEERING EXPERIENCE

**Computer Science Academic Cohort Leader** **Fall 2022 – Spring 2023**

*University of Alberta Residence Services, Edmonton, AB*

- Organized academic events that help first-year computer science students overcome academic challenges.
- Academic programs hosted: coding contests, career workshops, study sessions and tutoring services.
- Promoted effective study habits and work-life balance. Helped students engage with academic resources and get more involved in the tech industry outside of school.

**Peter Lougheed Hall Residence Representative** **Fall 2021 – Spring 2022**

*University of Alberta East Campus Student Association, Edmonton, AB*

- Organized events for residents with resident assistants. Helped promote work-life balance.
- Conducted surveys on people's experiences, received feedback and brainstormed solutions for change.

**YMCA Community Action Network Program (YCAN) Student Leader** **Fall 2020 – Spring 2021**

*YMCA, Saint John, NB*

- Led a local project providing homeless people with clothes and food.
- Built great friendships, improved leadership skills, and helped other people.

## SKILLS

- **Programming Languages:** Python; C; SQL; HTML; CSS; JavaScript; RISC-V Assembly
- **Technologies:** React.js, MongoDB, Bootstrap, jQuery, Node.js, Express.js, Tkinter, Git, GitHub
- **Soft Skills:** Communication, Time-Management, Conflict Resolution, Problem-Solving, Teamwork