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# ANDY TRAN

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## EDUCATION

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<b>Edmonton, AB</b>	<b>University of Alberta</b>	<b>September 2021 – May 2025</b>
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Bachelor of Science (Honors) in Computing Science.

### Academic Achievements:

- GPA: 4.0
- Coursework: Software Engineering in Java (CMPUT 301); Operating System (CMPUT 379); Advanced Games Programming in C++ (CMPUT 350); Database Management Systems (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 2022-2023.
- University of Alberta International Entrance Citation valued at \$40,000.

## TECHNICAL EXPERIENCE

### Recent Personal Projects

- **The Bug Slayer (2023)**. A project management tool for tracking and reporting bugs and issues in a team project. Built using **Next.js** (with **React.js**, **TypeScript**, **MUI**, and **Tailwind CSS**) and **Firebase**.
- **FlexVerse (2023)**. A MERN social media application for fitness enthusiasts. Special features include messaging and creating a workout template. Built using **React.js**, **Redux.js**, and **MUI** on the front end and **Node.js**, **Express.js** and **MongoDB** (with **Mongoose**) on the back end.
- **BEAST Inventory Manager (2023)**. A MERN inventory management application for managing an inventory of products or goods. Main purposes include inventory tracking, sales order management, and real-time sales monitoring and analytics. Technologies used: **React.js**, **Redux.js**, and **MUI** on the front end and **Node.js**, **Express.js** and **MongoDB** (with **Mongoose**) on the back end.

## WORK EXPERIENCE

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<b>Undergraduate Teaching Assistant</b>	<b>Fall 2023 – Winter 2024</b>
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*University of Alberta, Edmonton, AB*

- Teaching Assistant for CMPUT 201 (Practical Programming Methodology in C).
- Duties: grading lab assignments in C, helping students in lab sessions, and preparing review materials to enhance students' understanding of essential concepts.
- Skills acquired: teamwork, communication, presentation, problem-solving, and networking.

### Computer Science Academic Cohort Leader

**Fall 2022 – Spring 2023**

*University of Alberta Residence Life, 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.

## SKILLS

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- **Programming Languages:** Python; C; C++; Java; HTML; CSS; JavaScript; TypeScript; Julia; RISC-V Assembly.
  - **Technologies:** Next.js, React.js, Redux.js, Material UI, Tailwind CSS, Bootstrap, jQuery, MongoDB, Mongoose, Node.js, Express.js, Firebase, SQLite, Git, GitHub.
  - **Hobbies:** Swimming and Bodybuilding.