

# ANDY TRAN

## SOFTWARE ENGINEER

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## EDUCATION

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**Schulich School of Engineering, University of Calgary**

**Expected May 2022**

*BS, Major in Software Engineering*

*Calgary, AB*

Relevant Courses:            Data Structures and Algorithms; Testing; Databases; Computer Networks;  
Operating Systems; Software Architecture;

## SOFTWARE PROJECTS

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**UniversiTea**

**Feb 2020 - Apr 2020**

- ▶ Group project done using **Node.js, Vue.js, HTML, CSS, JavaScript, SQL**.
- ▶ Web application that lets students post confessions to forums and comment on posts.
- ▶ Worked with group members to design the application's architecture and database.
- ▶ Implements microservices, MVC, event sourcing, CQRS, and RESTful APIs.
- ▶ Worked on comments microservice, writing methods that follow REST API and ensuring CQRS architecture is followed.

**Animal Rescue**

**Sep 2019 - Dec 2019**

- ▶ Group project for a database course written in **HTML, CSS, JavaScript, PHP, and SQL**.
- ▶ Full-stack development for a website made to manage all aspects of an animal shelter.
- ▶ Lead the team and helped group members get development environments set up and ensured members had tasks to do.
- ▶ Developed back-end of the website, connection to database, and some front-end.

**JRPG-Style Game**

**Nov 2019 - Nov 2019**

- ▶ Dedicated a week to write a solo passion project in **Java**.
- ▶ Game inspired by the old Final Fantasy series; turn-based games.
- ▶ Extensive research on game-code standards to understand intricacies of game design.
- ▶ Gained experience with project development and the difficulties of how ideas come to life.

## TECHNICAL SKILLS

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Programming Languages:    Java (Advanced), C/C++ (Advanced).

Web Development:            HTML, CSS, JavaScript, Node.js, PHP, React.

Experience with:              Linux, MacOS, Windows, Git, SQL.

## SOFT SKILLS

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- ▶ Strong ability to communicate complex ideas in easily understandable ways.
  - ▶ Adaptable and eager to constantly learn and grow.
  - ▶ Determined to solve problems and overcome challenges.
  - ▶ Organized and able to manage time well.

## INTERESTS

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- ▶ Weightlifting, video games, music, cars, technology, & science.