






# Tenzin Pelletier

## Software Engineer

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### Education

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#### •University of Waterloo

Current GPA: 3.4/4.0

Bachelor of Science in Computer Science

August 2019 - December 2023

#### •Marianopolis College

GPA: 3.8/4.0

Diplôme d'études Collégiales in Pure and Applied Sciences

August 2017 - June 2019

### Relevant Coursework:

Object-Oriented Programming, Data Structures, Design Patterns, Intro to Game Design, Agile Software Management, Software Specification and Analysis, Computer Interfaces, Human Computer Interaction (in progress), Computer Networks (in progress)

### Skills

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**Areas of Interest:** Front-end Development, React.js Development, Full-stack Development, Web Development

**Languages:** TypeScript/JavaScript, Node.js, Java, C#, Kotlin, C/C++, , HTML/CSS, L<sup>A</sup>T<sub>E</sub>X, postgresSQL

**Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Clerk.js, Redux, Spring Boot, JUnit, Selenium, Appium, Jest, React Testing Library

**Tools:** Unity, IntelliJ IDEA, WebStorm, Rider, Unix Shell, Git

**Soft Skills:** Problem Solving, Time Management, Independent Learner, Debugging

### Personal Projects

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#### •Metalworks

A full-stack web application allowing nearly-free FoundryVTT hosting on DigitalOcean

- Employed knowledge of UX interface design and development
- Implemented consumer auth with Clerk.js
- OAuth integration with DigitalOcean for easy hosting
- Technology used: *TypeScript, JavaScript, React.js, Next.js, Express.js, Clerk.js, Node.js, PostgreSQL, Git*

#### •Strawgolem

A Minecraft Java mod for Forge and Fabric that adds a farming golem

- Employed data structures such as OctTrees to efficiently track crops in 3D space
- Employed knowledge of game design, optimizing UX, sounds, etc.
- Technology used: *Java, Maven, Fabric API, Git*

### Experience

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#### •Vivid Seats

January 2023 - August 2023

Software Engineer

Online

- Developed full-stack web/mobile applications with TypeScript, React.js, Next.js, React Native, Express.js
- Researched and implemented consumer auth in React Native with Amazon Cognito and AWS Amplify
- Implement front-end features such as user geolocation on the web application using React.js and Express.js

#### •Lifion by ADP

May 2022 - August 2022

Software Engineer

Online

- Developed front-end web applications using JavaScript, React.js and Redux
- Maintained and improved user sign in flow and account pages
- Maintained test cases with Jest and Enzyme

#### •Bunch.live

September 2021 - December 2021

Game Developer

Online

- Developed mobile games using Unity, C#
- Implemented support for encoded GIFs in Bunch Party

#### •Paramount Commerce

January 2021 - April 2021

Java Developer

Online

- Developed full stack web applications with Java, Spring Boot
- Introduced mobile test automation with Appium, JUnit
- Maintained unit tests in Selenium, JUnit, Appium