

TERRY FU

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EDUCATION

University of Calgary, Alberta, Canada

Sept. 2019 – Apr. 2023

B.Sc Computer Science Combined with Actuarial Science cGPA 3.49

Relevant Course Work: Data Structures Algorithms and Their Analysis, Computer Machinery II, Object Oriented Programming, Life Contingencies I, Theory/Mathematics of Finance, University Calculus III

Honors: Alexander Rutherford Scholarship, University of Calgary Entrance Scholarship, Jason Lang Scholarship

Activities: Developer Student Club – UofC Chapter, Competitive Programming Club, InfoSec Club

QUALIFICATIONS

Languages: Python, Java, JavaScript, HTML, CSS, C, C#, R, ARMv8

Technologies: Git, MongoDB (NoSQL), Node JS, Socket.io, Heroku, GitHub Pages, Firebase, AWS, REST API, Express JS, Angular JS, React JS, Bootstrap, PostgreSQL, Amazon Web Services, Unity

EXPERIENCE

Tech Start UCalgary

Feb. 2021 - Current

Software Developer – Student

Calgary, Alberta

- Integrating a full stack application as a solution for small and medium enterprises using **QR codes** to enable logistical services to **lower costs** within a team of 6 developers and 5 business strategists with **React** in an **agile development environment**
- Developing an **API** for the application to transfer data within the application, and to the **Ethereum blockchain**

Expandable Esports

Jan. 2021 - Current

Full Stack Developer – Freelance

Remote

- Implemented an Official Esports website, and landing pages from concept through deployment including helping to reduce **100%** of costs in hosting webpage with **HTML, CSS, JavaScript**
- Collaborated with Graphic designers to assess **User Experience** and **User Interface** designs for quality

C&C EduCenter

Nov. 2019 – Mar. 2020

Teaching Assistant/Tutor – Part-time

Calgary, Alberta

- Assisted in teaching the basics of coding to a group of **10 - 20** high schoolers in **Scratch** and **Python**
- Viewed and helped prepare weekly lesson plans

SELECTED PROJECTS

weBlog

Feb. 2021 – Feb. 2021

Blog Application

[Source Code](#)

- Conceptualized, designed, and implemented a **full stack CRUD** social media application in under a week with **170ms** delay of posts between users by leveraging the **PERN stack** and **web sockets**.
- Stored data through local **PostgreSQL** tables, and an **Amazon Web Services** bucket.

iChat

Jan. 2021 – Feb. 2021

Group Messaging Platform

ichat33.herokuapp.com [Source Code](#)

- Created a real-time chat application with multiple different rooms that allows messages to be sent to other users with no visible delay (**48ms**) with **MERN stack, HTML, CSS** and **Socket.io** and deployed as a **Node application** on **Heroku**
- Implemented the backend by integrating **MongoDB** to store user's login information, rooms, and messages, and allowing login with **Google's API**

iMusicV2

Jan. 2021 – Jan. 2021

Spotify Clone

terryfu.ca/iMusicV2 [Source Code](#)

- Developed a recreation of a web-based Spotify application utilizing their **REST API** and authentication to host through the **GitHub Pages**
- Utilized **HTML** and **CSS** to create an interface that resembles the official Spotify application with access to **50 million+ songs**