

Terry Fu

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Qualifications

- Languages: Python, Java, JavaScript, HTML, CSS, C, C#, R, ARMv8, Chinese (Mandarin)
- Technologies: Git, MongoDB (NoSQL), Node JS, Socket.io, Heroku, GitHub Pages, Firebase, AWS, REST API, Express JS, Angular JS, React JS, Bootstrap

Education

Combined Bachelor's Degree in Computer Science and Actuarial Science

University of Calgary | 2019 – 2023 | cGPA 3.49

Extracurriculars - Competitive Programming Club, Developers Student Club – UofC

Relevant Coursework – Data Structures, Algorithms, and Their Analysis, Computer Machinery II, Life Contingencies I, Theory of Interest/Mathematics of Finance, University Calculus III

Projects

iChat – MERN Full Stack Application

<https://ichat33.herokuapp.com/>

Group Messaging Platform

- Created a real-time chat application with multiple different rooms that allows messages to be sent to other users
- Implemented the backend by integrating MongoDB to store user's login information, rooms and messages
- Conceptualized, designed, and implemented the site in under a week with MERN, HTML, CSS and Socket.io to deploy as a Node application on Heroku

iMusicV2 – Front End Application and REST API

<https://terryfu.ca/iMusicV2>

Spotify Clone

- Developed a recreation of a web-based Spotify application utilizing their REST API and authentication and hosted through the GitHub Pages
- Utilized HTML and CSS to create a UI that resembles the official Spotify application

findPath() – JavaScript and Algorithms

<https://terryfu.ca/findPath>

Path Finding Visualizer

- Implemented Depth first search, Breadth first search, Bi-directional search, and Dijkstra's algorithm to showcase path finding algorithm knowledge in a JavaScript application

Experience

ExPandaBle Esports - Freelance

Front End Developer | Jan 2021 – Present

- Implemented an Official Esports website, and landing pages from concept through deployment including helping to reduce 100% of costs in hosting webpage
- Assessed UX and UI designs for quality

C&C EduCenter – Part-Time

Teaching Assistant/Tutor | Nov 2019 – Mar 2020

- 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