

Terry Fu

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EDUCATION

University of Calgary **Expected – May 2024**

B.Sc, Computer Science, concentration in Information Security, minor in Actuarial Science

Relevant Course Work: Data Structures Algorithms and Their Analysis, Computer Machinery II, Object Oriented Programming, University Calculus III, Data Base Management Systems, Principle of Operating Systems, Computer Networks and Security, Human Computer Interaction, Cryptography, Advanced Programming Techniques

WORK EXPERIENCE

Arc Resources Ltd. **May 2023 – Oct 2023**
Software Developer Intern *Calgary, AB, Canada*

- **Established continuous build and deployment pipelines** to speed up development process by 170%
- **Developed, debugged, and deployed** multiple applications and scripts
- **Managed and planned** weekly sprints in an agile environment
- **Wrote Unit and Integration tests**
- **Technologies used:** C#, Python, JavaScript, SQL, PowerShell, Azure DevOps, Git

TC Energy Corporation **Sept 2021 – Sept 2022**
Software Engineer Intern *Calgary, AB, Canada*

- **Built** a request portal for 7k users that **reduced ticket resolution time by 86%**
- **Engineered and Standardized** multiple applications and automations that are used **company-wide**
- **Remodeled** an emergency contact application that scaled to over **14k users** and **reduced Operations support by 100%**
- **Technologies used:** Angular JS, AWS Services, ServiceNow, Power Platform, Git

Expandable Esports **Jan 2021 – August 2021**
Full Stack Developer Lead - Freelance *Remote*

- **Spearheaded proposals and redesign** of an Official Esports website, and landing page including **reducing 100%** of costs in hosting webpage and **Search Engine Optimization**
- **Collaborated** with **User Experience** and **User Interface** teams for **technical feasibility**
- **Technologies used:** HTML, CSS, JavaScript

Selected Projects

App Track Web Application **December 2022**

- **Conceptualized, designed, and implemented** a scalable **full stack** CRUD application in under **2 days** by leveraging the **MERN stack** and **web sockets**

Frogger Clone for a Raspberry Pi 4 and SNES controller **May 2021**

- **Designed and coded** a Frogger clone averaging **20 FPS** using **C** and **ArmV8 Assembly** for a **Linux** operating system

LEADERSHIP & EXTRACURRICULARS

Dinos Men's Rugby Team **August 2021 - Current**

VP Development & Software Developer | Tech Start UCalgary **Jan. 2021 – May 2022**

- Researching **software development industry best practices** and assisting Project Managers in **all aspects of development**

Deputy Flight Commander | 781 Royal Canadian Air Cadets **Jan. 2014 – Sept. 2016**

- Responsible for **leading, teaching** and **mentoring** a group of roughly **30-40** cadets

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, C, C#, C++, R, SQL, NoSQL, HTML, CSS, Haskell, Prolog

Technologies: React JS, React Native, Svelte JS, Firebase, Node JS, Bootstrap, Unity, Git, SVN, Figma, REST API, Angular JS, AWS Services, Power Platform, ServiceNow, Armv8 Assembly, PowerShell, Azure DevOps