

Terry Fu

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EDUCATION

University of Calgary

Expected – May 2024

B.Sc, Computer Science, Concentration in Information Security

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#, .NET, .NET Core, 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 7,000 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 **14,000 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

Twilight

November 2023

- **Design and developing** an **Indie FPS Roguelike Shooter** in **Unity**, with **optimization, unit + regression tests, procedural generation** and **3D modeling** in **Blender**

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: .NET, ASP.NET, 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