Alex Thayn's Portfolio

Visit *www.alexthayn.com* to view my online portfolio.

Welcome to my portfolio. Each folder in this directory contains a project I have created to showcase my skills in that subject. Please feel free to explore!

Portfolio Directory

Android Mobile App Development:

This folder contains a project write-up and android app that another student and I created. The app we designed is a companion app meant to be used alongside Pokémon Go. Our goal was to help give Pokémon Go players an advantage by providing them a recommendation for the best team to use in battle.

Skills Learned:

- Android app development using Android Studio
- Database management and querying
- UI/UX design

C# and XAML:

This folder contains source code and executables from various WPF applications I have created. There is a pong game that I created with the help of another student. It can be run locally or through a remote server we set up using Amazon cloud services. I also created a simple maze game to practice my WPF skills.

Skills Learned:

- C# and XAML
- WPF
- MVVM design pattern

Database Design:

This folder contains PDF's of a relational database I designed, and some example queries I used to extract data from it.

Skills Learned:

- ER Diagram Creation
- Relational Database Design Principles
- SQL Querying

Internship Experience:

This folder contains a PDF describing my summer 2018 internship experience e and the various skills I learned from it.

Java:

The Java folder contains an example of a Java program I wrote and the skills I learned and developed while writing it.

Skills Learned:

- Object Oriented Design
- Design Patterns
- Java RMI
- SOLID Principles

UX Design:

This folder contains all the work our group put into designing a new scheduling system for Snow College. The PDF titled *Final UX Design* is all of that work put together in one document along with our comments about how we developed and designed this new scheduling system.

Skills Learned:

- UX research
  - Contextual Inquiry
  - Contextual Analysis
- Requirements and Modeling
- Design Thinking
  - Ideation and Sketching
  - Mental Models
  - Storyboarding
- Wireframing and UI prototyping
- Collaboration