could we create the control software for Skytrain?
Instructor: Dr. Fraser - call me Dr. Brian

- I like questions, and love feedback!
About Me

- **Home Town:** Surrey!
- **Degrees:** BSc & PhD from SFU (AI)
- **Favourite Video Game:** StarCraft II & WoW
- **Family:** Married with 2 girls (4y & 6y)
- **I miss the most during isolation:** Conversations with friends, colleagues, and students!

Daughter’s biggest worry about my online teaching.
Guide to Slides

• Slide Colour Guide (often...):
  – **Green**: headings.
  – **Yellow**: Highlighted text.
    • This course has **quizzes** and **one final**.
  – **Blue**: Term being defined.
    • **Hour**: 60 minutes.
  – **Sweep-in Text**: Blanked out text to keep (almost) everyone awake and hold attention.

• **Joke**:
  – My software never has bugs,..
Course Information
Course Topics

• **Basic Course Goal**
  − Cover the basics of developing software in a professional environment.
  − Learn to be part of a development team.

• **3 Components of Course**
Online Course Structure

- **Lectures**
  - MWF streaming live; recorded for later viewing.
  - Incomplete notes posted online ahead of time.
- **Quizzes** – every ~2 weeks, in class, announced.
  - Practice quiz coming soon
- **Assignments** – in Android Studio (your computer)
  - Run in emulator or on phone
- **Project** – Assigned groups, supported interactions
- **Office Hours** – Discord (text, or voice/video)
  - Piazza for most questions!
- **Exams** – Final exam
Website

- https://opencoursehub.cs.sfu.ca/bfraser/grav-cms/cmpt276/home
  - Notes
- Assignments - about 2 weeks to complete
- Project - assigned groups
- Videos - some suggested for each assignment
- Course Info - getting help; weighting.

- Course grades likely scaled a little as assignment & project grades usually very high.

- Suggested Texts
  - Android Programming: The Big Nerd Ranch Guide 3rd Ed in Java
    (4th is Kotlin; 2nd/1st ed likely OK)
You already known

1) How to program in an object oriented language
   - Know Java? Great!
   - Know C++? You'll have to pick-up basic java quickly; we will have some resources

2) How to develop simple object oriented applications

3) How to use video chat systems!

If you feel you don’t know this, come talk to me today.

Just kidding!
Keys to Success

- **Lecture**
  - Slides posted online, BUT key points blanked out.
  - Take notes for the **blanks** and the **extra things** I say.

- **Stay up to date**
  - If falling behind, get help!
  - Start early, ask questions on Piazza!
  - **Stay engaged!**

- **Do assignments** to be proficient with material.
  - Be a good group member.
  - Individual contribution to project is evaluated.

- **Ask Questions!**