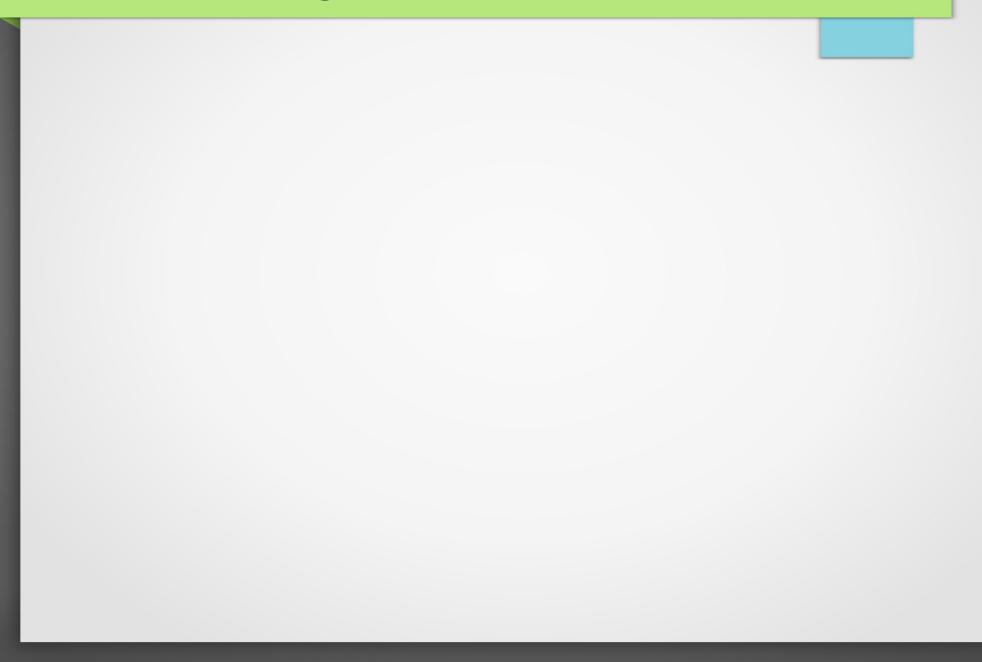# Linux and Digital Cameras

Who Am I?

- Trevor Cordes B.Sc

- All-Around computer nerd

- Fedora/Redhat fanboy

- Owner/Operator of Tecnopolis Enterprises: one-stop B2B shop for all things computer

- E-Commerce programmer

- STUG (Winnipeg Atari ST User Group) President for 4 years (big shout-out to ex-Atarians!)

Why Focus on Cameras?

- Always liked photography

- Never had a "real" camera

- Too cheap to buy one before I got married

- Not allowed to buy one after marriage

- I found the solution...

Get Your Wife Pregnant!

- "Honey, we should have a nice camera for baby pictures"

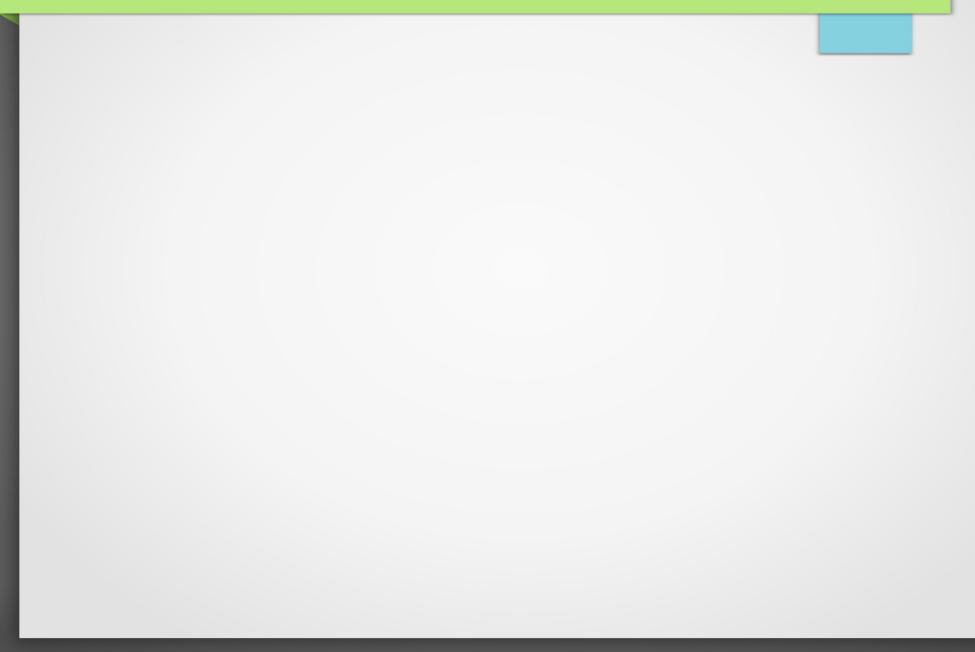- Now it's not for me, it's for her

- But I digress...

Why SLR?

- Many people consider only SLR cameras to be "real" cameras

- SLR = Single Lens Reflex

- Mirrors & prisms

- Can use old lenses!

Camera Control With Linux

- Many cameras can be controlled "live" via USB

- Not just SLRs!

- Command line and GUIs

- Endless possibilities

- RasPi remotes

- entangle + gphoto2

Remote Control Demo

HDR & AEB

- HDR = High Dynamic Range
- Range of tricks to make dazzling pictures
- AEB = Auto Exposure Bracketing
- F-stops, Apertures, fun fun fun
- AEB: take 2-9+ pictures with differing F-stops
- Use HDR software to combine them
- fotoxx