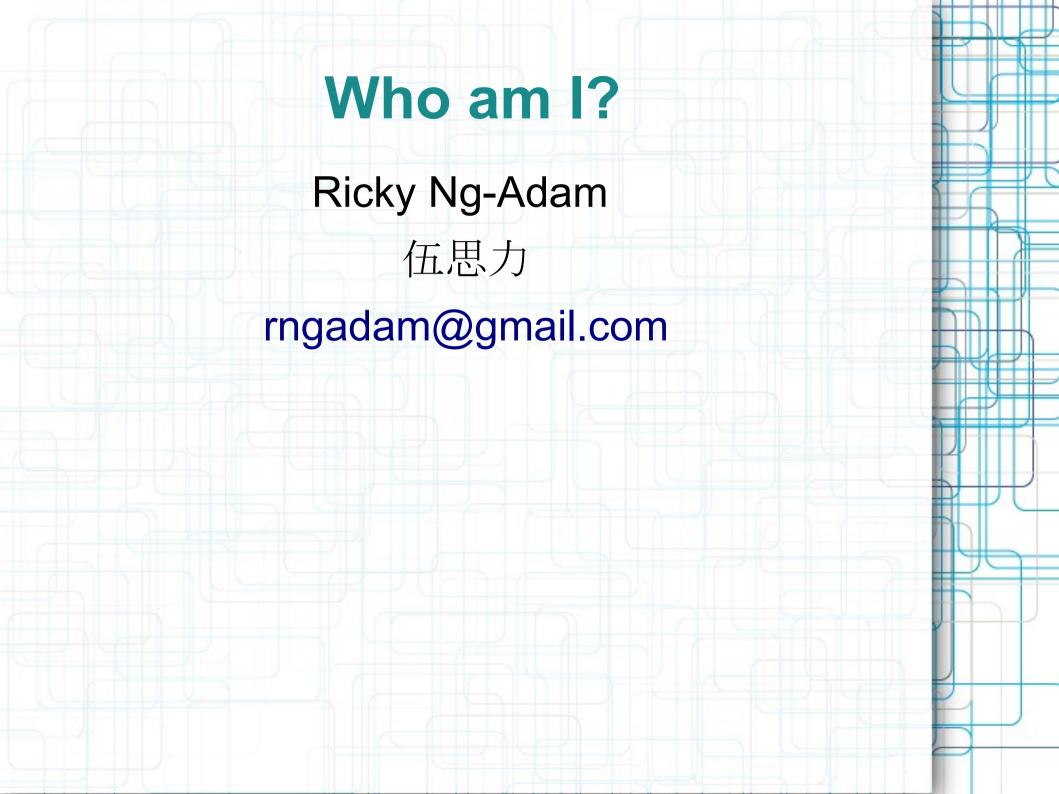
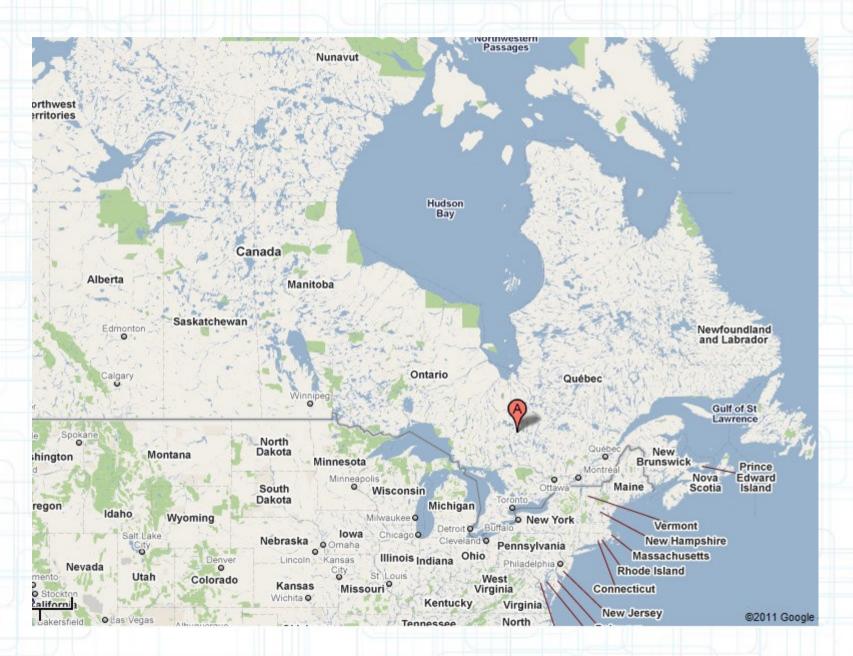
A.R.T. (Autonomous Robot Toy)

Ricky Ng-Adam Xinchejian.com 2011

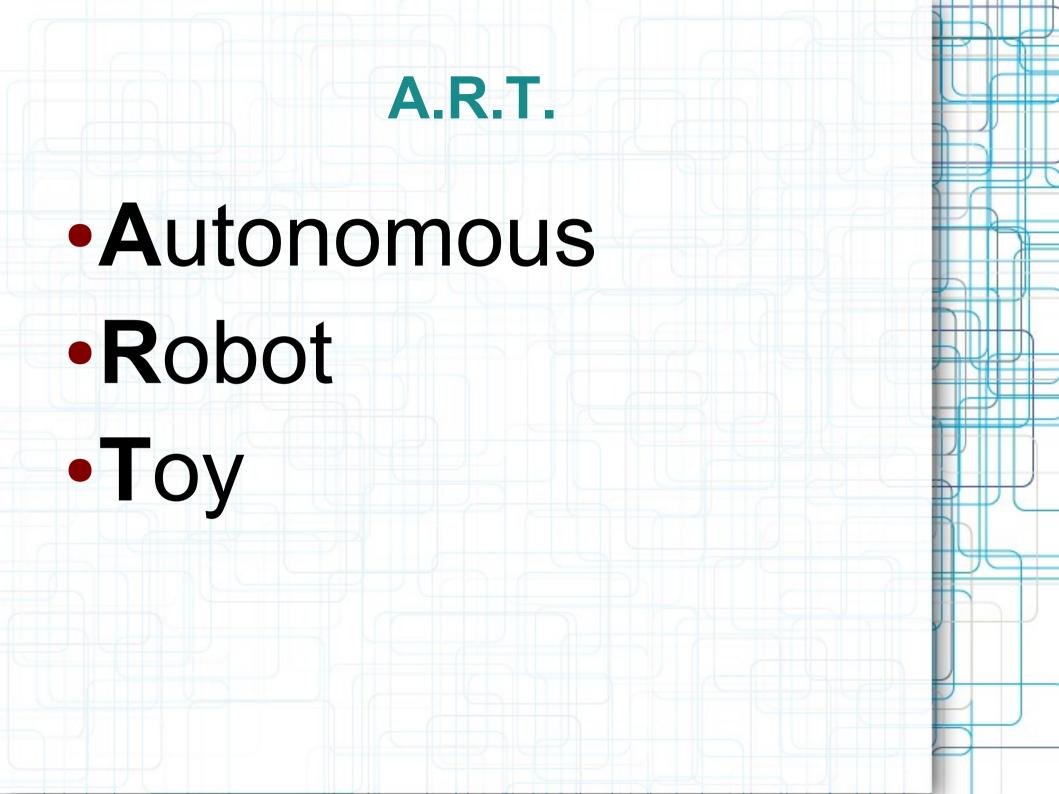


Quebec, Canada



Ricky and Robots!





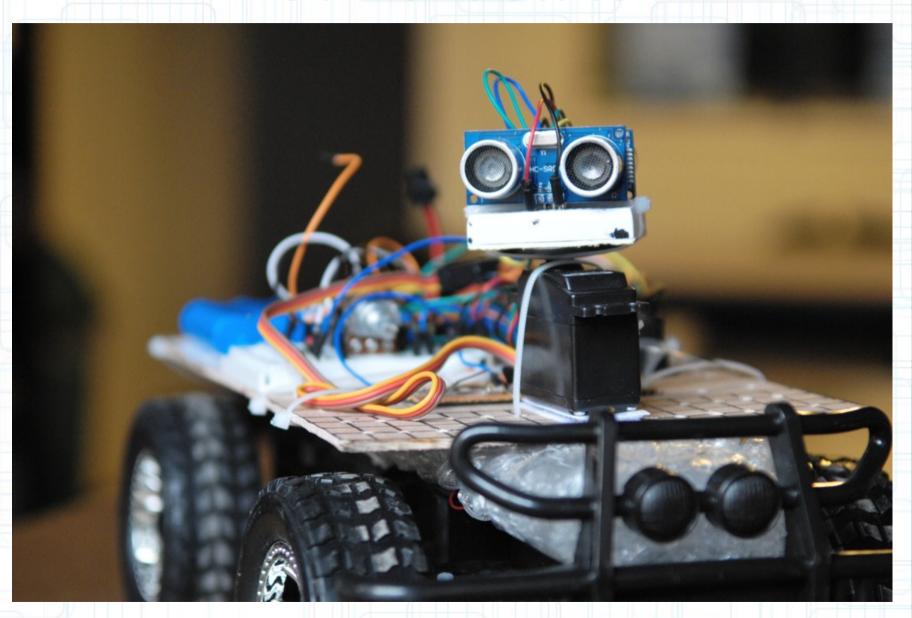
Before



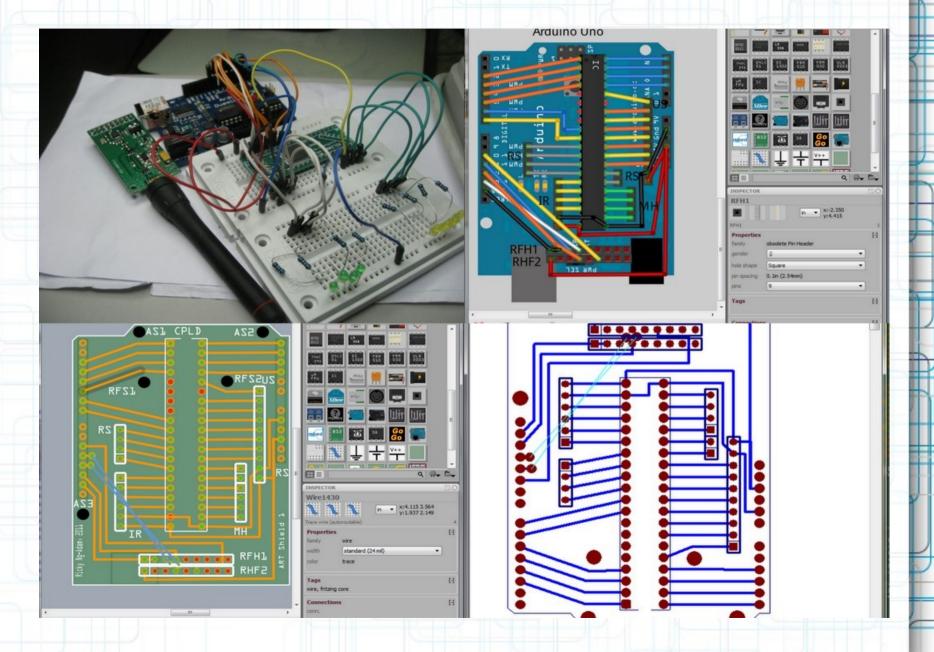
After



Current state



ART v5



Tools and Parts



Steps

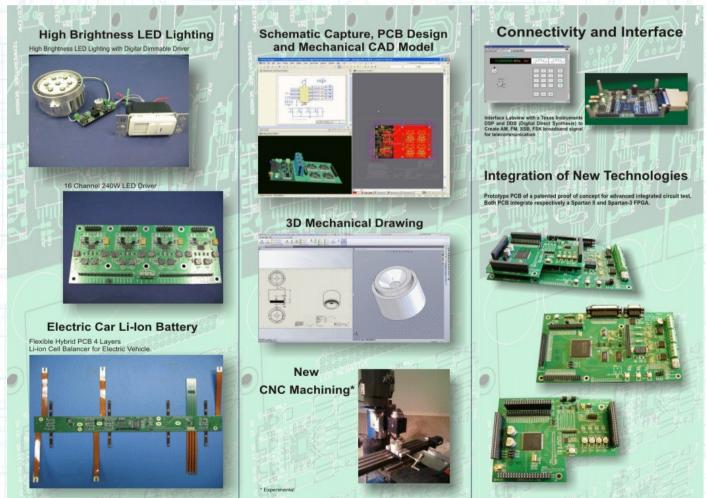


People involved



Others...

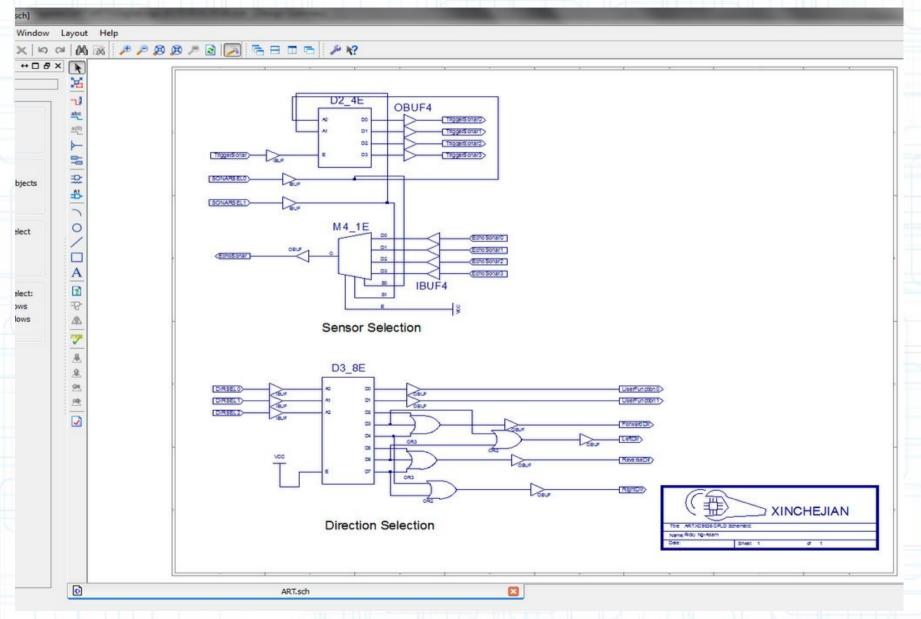
www.pbelconsulting.ca



Budget

Description	Price/Un it	Quantity	Total
RC Toy Car (with 400mAh battery)	67.00	1	67.00
Arduino Uno (with Atmega 328p)	178.00	1	178.00
RFC1100-A CC1101 RF Transceiver with Power Amplifier	70.00	1	70.00
4 * Ultrasonic sensors HC-SR04	37.00	4	148.00
4 * Infrared sensors E18-D80NK	30.00	4	120.00
Xilinx XC9536 CPLD in a 40 DIP pin package	42.00	1	42.00
Mini-breadboard	3.00	1	3.00
700mAh, 6V, Rechargeable NiCad	15.00	1	15.00
Cabling	12.00	1	12.00
Motor shield (L298N)	68.00	1	68.00
Arduino I/O expansion board	48.00	1	48.00
Total		116.64	771.00
		USD	RMB

EE Degree?



More information

- Ricky Ng-Adam, rngadam@gmail.com
- http://www.xinchejian.com
- https://github.com/rngadam/ART
- http://xindanwei.com