

# **PLOOSH THE DOG**

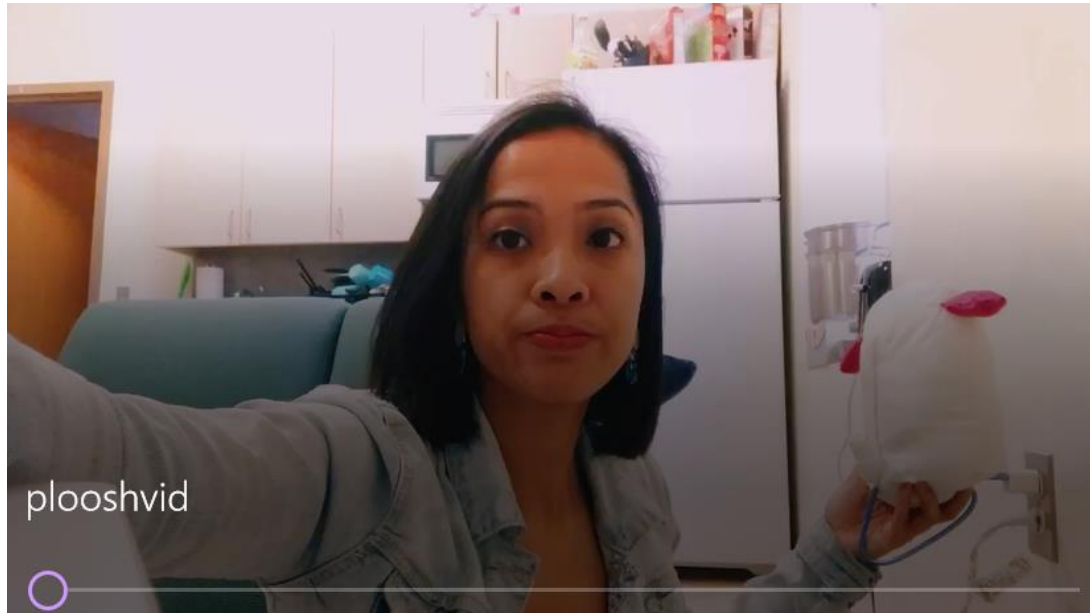
by Jessica Valenzuela

I created an interactive stuffed animal dog named Ploosh. I hand sewed her myself with white and pink fabric. Her face is very minimalistic and small, to create an adorable and comforting stuffed animal. When Ploosh is plugged in her tail begins to wag. As you pet her in her favorite spot she calms down and her tail begins to wag slower until it eventually stops. This interaction was created with a micro servo motor and an ultrasonic distance sensor. When the sensor senses your hand, it slows down the micro servo. Although this was a simple creation, I believe this is a product that could potentially be sold to kids. With a few more iterations it could turn into something really great and I'd love to keep exploring this idea!

## **PICTURES**



# VIDEO



# BILL OF MATERIALS

DESCRIPTION	\$EA	QTY	TOTAL	URL					
Arduino Uno	\$22.95	1	\$22.95	<a href="https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6/">https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6/</a>					
Breadboard	\$5.95	1	\$5.95	<a href="https://www.amazon.com/Paxcoo-Breadboards-Arduino-Circboard-Prototyping/dp/B0727X6N9D">https://www.amazon.com/Paxcoo-Breadboards-Arduino-Circboard-Prototyping/dp/B0727X6N9D</a>					
Micro servo motor	\$13.99	1	\$13.99	<a href="https://www.amazon.com/gp/product/B07BBQ5DXR/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&amp;psc=1">https://www.amazon.com/gp/product/B07BBQ5DXR/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&amp;psc=1</a>					
Ultrasonic Range Sensor	\$8.29	1	\$8.39	<a href="https://www.amazon.com/gp/product/B07G32ZQW6/ref=ppx_yo_dt_b_asin_title_o06_s00?ie=UTF8&amp;psc=1">https://www.amazon.com/gp/product/B07G32ZQW6/ref=ppx_yo_dt_b_asin_title_o06_s00?ie=UTF8&amp;psc=1</a>					
Sewing kit	\$6.99	1	\$6.99	Bought from Walgreens					
Fabric	\$1.99	3	\$5.97	Bought from Michaels					
Stuffing	\$6.39	1	\$6.39	Bought from Michaels					