

## 2016 Idea Challenge Application

1. **ProjectName:** Smart pillow

2. **Team Members:**

Name	Student E-mail Address	Personal E-mail Address	Phone Number	Current Year in School	Major	Primary Contact
Jinhong Cui	Jinhong_Cui@student.uml.edu			Master first year	Computer Science	√
Zhiping Fu	Zhiping_Fu@student.uml.edu		5712509222	Master first year	Computer Science	
Weiwei Li	Weiwei_Li@student.uml.edu			Phd second year	Computer Science	

3. **Advisor(s)/Mentor(s): (Optional)**

Name	E-mail Address	Affiliation
Guanlin Chen	guanling_chen@uml.edu	Computer Science Department

4. **Questions:**

a. **Describe your idea/project.**

Design smart Pillow with inbuilt sensors which can self-adjust the hardness and height of pillow for sleepers.

b. **What type of issue/problem does your idea/project address?**

Consumer product which will improve the sleep quality of sleepers.

c. **What is unique about the way your idea/project addresses this problem?**

Smart Pillow can self-adjust throughout the night, matching the sleep movements of the sleeper.

d. **Who will benefit from your idea/project?**

People who have sleep disorder, snoring, or have special requirement on tracking health data when sleeping.

e. **Where are you in the design or development of this idea/project?**

Computer science lab and human engineering Lab.

f. **Will you work on pursuing your idea/project after you graduate? Yes No Maybe (Check boxes then pop up below questions depending what they answer on the check box)**

i. **If yes, how can/will your idea/project be sustained beyond the completion of your graduation?**

ii. **If no, why will you be unable to work on or pursue this idea/project after you graduate?**

√ iii. **If maybe, how might your idea/project be sustained after you graduate?**

We get investment for the prototype design and development and our team members have time.

g. **Why is this idea/project important to you?**

We hope this idea will improve the sleep quality of sleepers which leads to better work efficiency and healthier life.