**Extra credit**

**Value**: up to 8 points. Points earned will be divided and half added to weekly homework grade (25% of total grade) and half added to lab reports grade (20% of total grade)

**Assignment**: you are working in a medical clinic. A patient comes in complaining of complete lack of feeling in and inability to move their right leg, but no other symptoms. Describe:

1. One of the possible locations of damage to the brain, spine, or peripheral nervous system that could be causing the symptoms, and why
2. What medical condition or cause of injury could have produced such damage
3. A non-neural engineering treatment for this condition
4. Four specific components of a brain-computer interface that would be used in this condition, and why each is necessary

**Maximum length**: one double-spaced page. One or two sentences for #1-3, one sentence for each component for #4.