WWAG: Walk, Warm, and Generate

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This project aims to generate electricity from walking and heating human feet. Since humans on average take approximately 7,000 steps a day, my goal is to create a shoe that can generate enough electricity to charge a cellular device and provide a heating system for the human foot. The formation of the battery can be done through the Dynamo motor, which rotates a wire within a magnetic field producing electric current. The heating process can be sustained through the use of Carbon Fiber, which provide heat at a very low voltage. Per step, the motor generates 5 V / 1 amp, as long as the person is walking the phone charges and heat the feet.