MEng Design Project Announcement – 2017

**Project title:** Forte – Fitness Tracker Prototype / Micro Controller Design

**Brief Description of Design Project Goals:**

**Overview:**
Forte is an on-campus start-up of current Cornell graduate students and recent alumni who are redefining the active fitness experience. This project involves developing the primary hardware component of our consumer product: a fitness tracker that detects individual exercises and tracks the entire gym experience. Individuals interested in applying should enjoy working with micro controllers and circuit board components including parts such as bluetooth, RFID, and GPS modules. This project is a continuation of a project from last year.

We are looking for someone entrepreneurial in spirit who is familiar with micro controller design and programming. An appreciation for fitness and an active lifestyle is a plus. This project gives participants an opportunity to have significant influence over product design and see first-hand the multiple roles often held by those in a technology start-up. The Forte team is made up of current graduate students and recent alum with backgrounds in software engineering, HCI, and business development. We are looking for motivated & talented students who are looking to make an impact and be part of something fun.

You will be required to sign non-disclosure and IP agreements to participate in this project. You will also be required to meet with the advisor and client regularly.

**Specific MEng Contribution:**

The student(s) will build the stimulus circuit, computer interface, package it and help to test it.

**ECE Field Advisor Name:** Bruce Land  
Email - bruce.land@cornell.edu  
Phone – 255-7994  
Office – 214 phillips hall

**Outside Client:** Brendan Larar; bal242@Cornell.edu

**Number of MEng Students Needed:** 1 or 2

**Required Skills:**

Skills necessary include microcontrollers and circuit board components including parts such as bluetooth, RFID, and GPS modules. Ability to work in a fast-paced, start-up environment.

**Estimated Project Time Frame:** 2017-18 AY, Two (2) Semesters