At Exponent, we work on many of the most challenging and prominent engineering problems in the world. If you are a Ph.D. candidate with strong communication skills and are motivated to learn on the job and apply your education in unexpected and innovative ways, Exponent has an exciting opportunity for you! Our Electrical Engineering & Computer Science Practice invites you to learn more about how you can make a difference in the exciting world of engineering and scientific consulting. We perform investigations in a wide array of areas, including optics, power systems, semiconductors, consumer products, vehicles, medical devices, radio waves, software, networks, controls, and batteries—to name a few. We would love to share our enthusiasm and passion for Exponent—and engineering and scientific consulting—with you. We will review some interesting projects we have worked on and challenges we have solved. Some of our projects include:

- Determining why critical care medical devices failed (by analyzing the hardware/software interface)
- Building prototype unmanned robot vehicles to seek out and disarm explosives
- Determining the root cause for catastrophic Li-ion battery failure
- Determining the root cause of printed circuit board failure in smart phones and lap tops
- Conducting a scientifically rigorous analysis of electrocution or fires caused by high-power electrical lines and fixtures
- Developing innovative and cost effective image processing and classification techniques for identifying counterfeits

With questions or to apply, please email Patricia Mafioletti with CV at pmafioletti@exponent.com.

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