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Morgan L. Thompson  
Engineering Student

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## OBJECTIVE

To obtain employment in a field relating to my studies while I continue my education

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## EDUCATION

Pennsylvania State University, *University Park, PA*  
Bachelor of Science, Engineering Science  
Focus on Electrical Engineering & Device Physics

May 2016  
3.23 GPA

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## EXPERIENCE

Laboratory Intern, Nanoscale Device and Circuits Lab  
*Penn State University, PA*

2014-2015

- Study of VO<sub>2</sub> and other dichalcogenide materials for use in FET and oscillatory devices
- Characterization of novel devices using impedance spectroscopy, four point probe station, and pulsed IV characterization
- Design and modeling of test device circuit with Matlab and SPICE to verify experimental results
- Optimization of device material for oscillator circuit
- Study to determine the possibility of creating a three terminal device with a VO<sub>2</sub> channel

Project Coordinator, Robbie Conley Architect LLC  
*Woodbury Heights, NJ*

2007-2011

- Supervised interns and coordinated with consultants to produce construction documents
- Designed and oversaw construction projects in residential, public and commercial buildings
- Performed building analysis reports

Emergency Medical Technician, National Event Services  
*Yeadon, PA*

2004-2007

- Entrusted to provided emergency medical care to patrons and performers of major sporting and entertainment events in the Philadelphia region

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## SKILLS

- AutoCad, Matlab, Maple, Mathematica, C++, OriginPro, SPICE, Office Suite
- Basic understanding and experience with manufacturing of an IC
- Familiar with characterization of electronic devices

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## AWARDS

- Research and Development Council Merit Scholar Spring 2011
- Dean's List: Fall 2012
- Bender Trustee Scholarship
- Phi Theta Kappa Honor Society