

# ROBERT B. BAKER III

rbbaker@gmail.com

34464 Aspen Run, Apt. 10

Willoughby Hills, OH

(317) 341-3016

## Education

*Indiana University-Purdue University, Indianapolis* Bachelor of Science in Energy Engineering, 2013  
Mathematics minor Indianapolis, IN

## Relevant Courses

- Clean Power Generation
- Hybrid & Electric Vehicle Engineering
- Advanced Solar Cell Physics
- Energy Storage Devices and Systems
- Electromechanical Motion Devices
- Fundamentals of Electric Materials
- Renewable Systems
- Feedback Controls
- Electric Energy
- Sustainable Energy
- Engineering Ethics
- Technical Writing

## Work Experience

IUPUI Industrial Assessment Center *Undergraduate Intern* Indianapolis, IN  
Nov. 2012-Dec. 2013

- Examined the energy usage of manufacturing facilities with specialty tools and software
- Suggested materials or schedule changes to help facilities reduce costs
- Drafted reports to the DOE explaining findings and recommendations
- Obtained Certificate of Participation certifying ability to execute energy auditing techniques

Scotty's Brewhouse *Server, Expediter, Server Trainer* Indianapolis, IN  
Nov. 2008-Dec. 2013

- Opened the Downtown Indianapolis location in January 2009 and the Southport location in July 2012
- Used suggestive selling and upselling to both enhance the guest's experience and put forth the vision of the management staff
- Trained new servers through both on-floor experiences and one-on-one sessions with food and beer

Rick's Café Boatyard *Server* Indianapolis, IN  
Summers 2011-2013

- Learned several safety measures for both food and beverage service
- Prepared soups and select desserts for guests
- Learned and applied basic drink making and pouring techniques

Purdue University Engineering Education *Undergraduate Assistant, INSPIRE Program* West Lafayette, IN  
June-August 2006

- Coordinated engineering exercises for two "Academies" on campus
- Created lesson plans for elementary teachers from across the country
- Performed new laboratory experiments for children and teachers teaching engineering with tailored techniques for K-6 students

## Activities

Purdue University Bands - "All-American" Marching Band trombone section, 2003-2006 2003-2008

- Concert Band and Symphonic Band, 2004-2008
- "Gold and Black Sound," Women's Basketball Pep Band, 2003-2008
- Maintained and distributed uniforms as a Major in the Clothing Office

*Kappa Kappa Psi* - Held the offices of Computer Guru (Fall 2005-Spring 2008) and Vice 2004-2008  
Honorary Band President of Membership (Fall 2007)

Service Fraternity - Performed numerous service projects within the band department, which included painting the instrument storeroom, renovating the music library, and upgrading the current band archives