

# Curtis Marshall

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## EDUCATION

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**University of Notre Dame** Notre Dame, IN  
*PhD in Aerospace Engineering* 2016  
Thesis: "Plasma Anemometer and Pressure Sensor Design and Characteristics"  
**Purdue University** West Lafayette, IN  
*Bachelor of Science in Physics Honors* 2010

## EXPERIENCE

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**Research Assistantship** Notre Dame, IN  
Fall 2010 – Spring 2016

- Experienced in data acquisition and analysis
- Designed, constructed experimental facilities
- First author of "AC plasma anemometer-characteristics and design" published in *Measurement Science and Technology*

### Conference Presentation

Fall 2011, Fall 2013

- American Physical Society Division of Fluid Dynamics

### Part Time Parkland College Faculty

Champaign, IL

Fall 2016, Spring 2017, Summer 2017, Fall 2017, Spring 2018, Summer 2018

- Instructed statistics for three semesters
- Instructed second semester non-calculus physics for summer semester
- Co-instructed online first semester non-calculus physics for two semesters
- Co-instructed online second semester non-calculus physics for one semester
- Obtained online faculty certification

**Manager at Marshall Apartments**

Champaign, IL  
Summer 2016 – Present

- Directed contract work
- Communicated with tenants and prospective tenants
- Agricultural equipment operator (grain farming)

**Teaching Assistantship**

Notre Dame, IN  
Fall 2010 – Spring 2016

- Led homework help and exam preparation sessions
- Promoted student understanding through individual instruction in office hours
- Detailed grading of exams and homework

**SERVICE**

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**Engineering in the Classroom**

Champaign, IL  
Spring 2018

*Volunteer*

- Mentored fifth graders in engineering and constructing a Rube Goldberg machine
- Taught physics fundamentals
- Seven week project while contributing at least three hours per week

**ICTM High School Math Contest**

Champaign, IL  
Spring 2017

*Volunteer*

- Judged oral competition on coordinate geometry

**Graduate Student Department Organization**

Notre Dame, IN  
Summer 2012 – Spring 2014

*President*

- Organized activities which enhanced graduate student comradery
- Recruited graduate students for involvement

*Treasurer*

Fall 2010 – Spring 2012

- Documented resources used and receipts
- \$2,000 budget

**Take Ten**

South Bend, IN

*Volunteer*

Fall 2013 – Spring 2014

- Taught conflict resolution to a 3<sup>rd</sup> and 4<sup>th</sup> grade all male classroom on a weekly basis

**Northern Indiana Regional Science and Engineering Fair**

Notre Dame, IN

*Volunteer*

Spring 2012, Spring 2013

- Judged pre-secondary children's science projects