

# James A. Stewart Jr.

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## EDUCATION

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**University of Arkansas-Fayetteville, AR** (In Progress)  
M.S., Microelectronics-Photonics

**Alfred University-Alfred, NY** May 2009  
B.A., Physics, Mathematics  
Graduated *Cum Laude* with GPA 3.41/4.00

## RESEARCH EXPERIENCE

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**Alfred University** Summer 2008  
Wayne Rosing Fellowship

- CCD Photometry of cataclysmic variable stars
- Used IDL to compile the data from the CCD images to generate light and frequency curves to determine orbital orientation of the star system

## TEACHING EXPERIENCE

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**Alfred University** Spring 2007-Fall 2008  
Physics Lab TA/Instructor

- Conducted Physics II Lab section
- Graded Physics I & II Homework and Lab assignments

**Alfred University** Summer 2008  
Astronomy Institute TA

- Taught class on how to calculate distances to objects in our galaxy to high school students
- Ran automated telescopes for student instruction

## PRESENTATIONS

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"*Cataclysmic Variable Stars*", spring 2009, Poster Presentation for Alfred University Undergraduate Research Forum

## SKILLS

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Microsoft Office Professional Suite • Microsoft Project • Manuel & Automated Telescopes •  
Basic Physics Lab Equipment

## HONORS

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Natasha Goldowski Renner Prize in Physics • Member of Pi Mu Epsilon

## REFERENCES

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Available on Request