

# Keith E. Turpin

## Contact Information

1600 E. Hillside Dr. #37  
Bloomington, IN 47401-6671  
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## Education

Currently B.S. in Physics, Mathematics Minor  
Indiana University Bloomington

## Skills

Programming Proficient in C, C++,  $\text{\LaTeX}$   
Experience with Java, HTML  
Software Linux, Microsoft Windows, Mathematica, Lab View, xFig, Root, Emacs  
Other Hands-on experience with electronics  
Metal and wood machine shop experience

## Honors

Barry M. Goldwater Scholar, 2004  
IU STARS Symposium Lecture Speaker, Spring 2004  
Undergraduate Research Grant, Indiana University Graduate School, Spring 2003  
F&A McCammon Scholarship, IU Hutton Honors College, 2001-2004  
Lilly Endowment Community Scholarship, 2001-2004

## Employment

8/2002 - Present Undergraduate Research Assistant Indiana University Bloomington, IN  
Performed several research projects under Prof. Rick Van Kooten.

## Research Projects

Fermilab D0 Project I have contributed code to data correction and analysis.  
Sonic Crystal I designed and constructed a sonic crystal which focused 20kHz sound waves and built an automated system for collecting data via computer.