

## Eric Errthum

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- OBJECTIVE:** To obtain a faculty teaching position at the University of Dubuque
- PROFILE:** Eight semesters of teaching experience  
Mathematical research experience from an internship at the National Security Agency  
Knowledgeable of mathematical applications in technology and the physical sciences  
Experience in computer programming and with various mathematical software
- EDUCATION:** The University of Iowa, Iowa City, IA, May 2002  
Bachelor of Science in Mathematics with Honors  
Bachelor of Science in Physics
- The University of Maryland, College Park, MD  
Doctorate of Philosophy in Mathematics  
Degree anticipated: May 2007
- WORK EXPERIENCE:** Lecturer and Teaching Assistant College Park, MD  
University of Maryland Mathematics Department Fall 2002 – Spring 2006
- Lectured for various college level math courses on topics including probability, geometry, and elementary math education
  - Held discussion sections for first and second semester calculus courses
  - Graded homework for advanced calculus and abstract algebra courses
- Mathematical Research Intern Fort George G. Meade, MD  
National Security Agency Summer 2002, Summer 2003
- Performed research for the Cryptology Office of the Information Assurance Research Group
  - Studied and gave presentations on public key cryptography and algebraic geometry
  - Worked extensively with Magma, Mathematica, and C++ programming
  - Top Secret/Sensitive Compartmented Information clearance
- Tutor Iowa City, IA  
New Dimensions in Learning Summer 2001 – Spring 2002
- Tutored students one-on-one in various levels of calculus and physics
- Laboratory Assistant Iowa City, IA  
University of Iowa Physics Department Fall 1999 – Fall 2001
- Assisted in the construction of a high-vacuum plasma chamber
  - Built various electronic components
- Research Assistant Iowa City, IA  
University of Iowa Mathematics Department Fall 1999
- Studied original proofs by Gauss
  - Synthesized Gaussian arguments into modern algebra concepts
- ACTIVITIES:** Member of the University of Maryland Student Honor Council  
University of Iowa Society of Physics Students, Vice President  
7th & 8th Annual International Mathematics Competition in London and Prague  
59th, 60th, 61st & 62nd Annual William Lowell Putnam Mathematical Competition  
1999, 2000, 2001 & 2002 Iowa Collegiate Mathematics Competition  
2002 National Society of Collegiate Scholars Spring Break Service Program  
University of Iowa Dean's List (8 semesters), President's List (1 semester)