

**Present Address**

[REDACTED]

**Permanent Address**

[REDACTED]

**OBJECTIVE:** To obtain a graduate fellowship through the Department of Homeland Security

**PROFILE:** Mathematical research experience from an internship at the National Security Agency  
Received high place standings in domestic and international mathematics competitions  
Strong skills in logical thinking and problem solving  
Knowledgeable in computer programming and various mathematical software

**EDUCATION:** The University of Iowa, Iowa City, IA  
Bachelor of Science in Mathematics, Bachelor of Science in Physics  
G.P.A. [REDACTED]/4.00 Degree received: May 2002

The University of Maryland, College Park, MD  
Doctorate of Philosophy in Mathematics  
G.P.A. [REDACTED]/4.00 Degree anticipated: May 2007

**WORK EXPERIENCE:** Teaching Assistant College Park, MD  
University of Maryland, College Park Fall 2002 – Spring 2003  
- Held regular discussion sections for a first semester calculus course  
- Graded homework for an advanced calculus course

Mathematical Research Intern Fort George G. Meade, MD  
National Security Agency Summer 2002  
- 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, LaTeX, and C programming in a Unix environment  
- Top Secret/Sensitive Compartmented Information clearance  
- Underwent Agency Special Background Investigation and polygraph  
- Grade 7, Step 3 government employee

Tutor Iowa City, IA  
New Dimensions in Learning Summer 2001 – Spring 2002  
- Tutored students 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 circuits

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:** 8th Annual International Mathematics Competition in Prague, Honorable Mention  
7th Annual International Mathematics Competition in London, Participation  
61st Annual William Lowell Putnam Mathematical Competition, 194.5 place  
59th, 60th, & 62nd Annual William Lowell Putnam Mathematical Competition, Participation  
2002 Iowa Collegiate Mathematics Competition, 7th place  
2001 Iowa Collegiate Mathematics Competition, 1st place  
2000 & 1999 Iowa Collegiate Mathematics Competition, Participation  
2002 National Society of Collegiate Scholars Service Spring Break participant  
University of Iowa Society of Physics Students, Vice President

**HONORS:** University of Iowa Dean's List (8 semesters), President's List (1 semester)  
Phi Beta Kappa Honor Society  
National Society of Collegiate Scholars  
Golden Key Honor Society