

2013

Erica R. Gilliland

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OBJECTIVE

To earn my PhD and obtain a position as a professor of pure mathematics.

EXPERIENCE

Associate, Information Commons at Butler University | Indianapolis, IN

August 2010 – Present

- Specialize in providing software support to faculty and students
- Organize and lead training sessions for faculty and students
- Oversee a team of student assistants by delegating and supervising tasks

Teller, Farmers State Bank | LaGrange, IN

May 2010 – Present

- Process transactions by established guidelines
- Provide excellent customer service
- Manage cash transactions with accuracy

Peer Tutor, Butler University Math Lab | Indianapolis, IN

August 2011 – December 2012

Peer Tutor, Butler University Learning Resource Center | Indianapolis, IN

January 2011 – December 2012

EDUCATION

Butler University | Indianapolis, IN

August 2009 – May 2013

- B.S. Mathematics (expected)
- B.S. Actuarial Science (expected)
- GPA: 3.92/4.00

- Calculus 2 & 3
- Basics of Advanced Mathematics
- Probability Theory 1 & 2
- Statistical Theory
- Discrete Mathematics
- Graph Theory
- Linear Algebra
- Geometry
- Modern Algebra 1 & 2
- Real Analysis 1
- Number Theory
- Differential Equations
- Introduction to Actuarial Science
- Financial Mathematics
- Actuarial Mathematics 1
- Problem Seminar
- Senior Seminar
- Honors Thesis
- Honors Seminars (4)
- Basic Excel Skills
- Principles of Microeconomics
- Introduction to Accounting
- Introduction to Computer Science & Programming
- Intermediate German 1 & 2
- Written German Communications

Spring 2013 Semester

- Applied Statistical Methods
- Loss Models
- Financial Derivatives
- Problem Seminar
- Honors Seminar

University of Leeds | Leeds, UK

January 2012 – June 2012

Study abroad program

GPA: 3.84/4.00

- Combinatorics
- Real & Complex Analysis
- Introduction to Markov Processes

- History of Mathematics
- Introduction to Hamiltonian Systems

Trine University | Angola, IN

August 2007 – May 2009

Courses taken as a high school student

GPA: 4.00/4.00

- Effective Speaking
- English Composition

- Introduction to Government
- Principles of Psychology

PRESENTATIONS & PUBLICATIONS

Jordan Canonical Form & Minimal Polynomials

Senior Seminar Talk

Butler University

November 2012

Thesis

March 2013- Expected Submission

Butler University Honors

Mathematics Department Honors

Enumerating Unlabelled Trees

Thesis Talk

January 2013- NCUWM

April 2013- Butler URC

HONORS AND AWARDS

Dean's List

Mathematical Association of America

(Honorary Member)

National Society of Collegiate Scholars

Lilly Endowment Community Scholar

Kappa Mu Epsilon

Phi Kappa Phi

Goldwater Nominee

TEST SCORES

SOA/CAS Exam P/1

June 2011

Score: 7

GRE General Exam

October 2012

Scores: V157, Q161, A4.5

GRE Math Subject Test

November 2012

Score: 570

SKILLS

Research

Writing

Team Oriented

Organization

LaTeX

Information Technology

LANGUAGES

English (native proficiency)

German (working proficiency)

Sign Language (working proficiency)