

Jared E. Antrobus

Curriculum vitae

SUMMARY

I am a fourth-year doctoral student in Mathematics at the University of Kentucky. My interests lie between algebra and combinatorics. I am particularly fond of cryptology and coding theory.

WORK EXPERIENCE

AUGUST 2014 – PRESENT

University of Kentucky
Educator

Teaching assistant and lecturer for various college mathematics courses.

SPRING 2012 – MAY 2014

Northern Kentucky University
Peer Tutor

Guided students in mathematics and statistics courses, and encouraged effective study strategies.

TEACHING EXPERIENCE AT THE UNIVERSITY OF KENTUCKY

2018 SPRING	MathExcel Leader (1 section) <i>Calculus II</i>
2017 FALL	MathExcel Leader (1 section) <i>Calculus I</i>
2017 SPRING	Recitation (2 sections) <i>Calculus I</i>
2016 FALL	Lecture (2 sections) <i>College Algebra</i>
2016 SUMMER	Lecture (1 section) <i>Calculus I</i>
2016 SPRING	Recitation (2 sections) <i>Calculus I for Life Sciences</i>
2015 FALL	Recitation (2 sections) <i>Calculus II</i>
2015 SUMMER	Lecture (1 section) <i>Finite Mathematics</i>
2015 SPRING	Recitation (2 sections) <i>Calculus I</i>
2014 FALL	Recitation (2 sections) <i>Algebra & Trig for Calculus</i>

✉	ask for address
☎	ask for phone
✉	jantrobus@uky.edu
🌐	www.jaredantrobus.com

EDUCATION

PRESENT	Doctoral student in Mathematics UNIVERSITY OF KENTUCKY <i>Lexington, Kentucky</i>
2016	MA in Mathematics UNIVERSITY OF KENTUCKY <i>Lexington, Kentucky</i>
2014	BS in Mathematics & Statistics Summa cum laude NORTHERN KENTUCKY UNIVERSITY <i>Highland Heights, Kentucky</i>
2008	High school diploma BOONE COUNTY HIGH SCHOOL <i>Florence, Kentucky</i>

PUBLICATIONS & PREPRINTS

2018	Lexicodes over Finite Principal Ideal Rings JARED ANTROBUS, HEIDE GLUESING-LUERSSEN <i>Accepted for publication in</i> <i>Designs, Codes and Cryptography,</i> DOI :10.1007/s10623-018-0469-2
2017	Cracking the Japanese JN-25 Cipher CHRIS CHRISTENSEN, JARED ANTROBUS <i>Math Horizons Vol. 24, Iss. 3, Feb 2017,</i> pp. 22-25
2015	The Story of Mamba: Aligning Messages Against Recovered Additives CHRIS CHRISTENSEN, JARED ANTROBUS <i>Cryptologia Vol. 39, Iss. 3, 26 May 2015,</i> pp. 210-243

SOFTWARE SKILLS

PROFICIENT LEVEL	Mathematica, SAS, R, SPSS, Minitab, PHP, HTML, CSS, \LaTeX , Office, Windows, Macintosh, Linux
INTERMEDIATE	JavaScript, SQL, Maple, MATLAB

PRESENTATIONS & COMMUNITY INVOLVEMENT

- 2017 **(attended)**
NATIONAL SECURITY AGENCY
CRYPTOLOGIC HISTORY SYMPOSIUM
Johns Hopkins University
Laurel, Maryland
- 2017 **(attended)**
KYMAA MEETING
Berea College
Berea, Kentucky
- 2016 **(session assistant)**
LEXINGTON MATH CIRCLES
University of Kentucky
Lexington, Kentucky
- 2016 **(attended)**
KYMAA MEETING
Northern Kentucky University
Highland Heights, Kentucky
- 2015 **Calculating Hall's Weights**
NATIONAL SECURITY AGENCY
CRYPTOLOGIC HISTORY SYMPOSIUM
Johns Hopkins University
Laurel, Maryland
- 2015 **(attended)**
ANNUAL MATHEMATICS CONFERENCE
Miami University
Oxford, Ohio
- 2015 **(session assistant)**
LEXINGTON MATH CIRCLES
University of Kentucky
Lexington, Kentucky
- 2015 **Recovering Additives from
Superenciphered Code**
KYMAA MEETING
Morehead State University
Morehead, Kentucky
- 2014 **Mamba vs. JN-25**
KYMAA MEETING
Murray State University
Murray, Kentucky
- 2013 **Mamba vs. JN-25**
NATIONAL SECURITY AGENCY
CRYPTOLOGIC HISTORY SYMPOSIUM
Johns Hopkins University
Laurel, Maryland
- 2013 **Mamba vs. JN-25**
JOINT MATHEMATICS MEETINGS
San Diego, California