Jason Lewis, Ph.D.

CONTACT
INFORMATION

Department of Computer Science and Engineering
University of Colorado Denver

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Denver, CO 80204

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EDUCATION

Clemson University, Clemson, South Carolina   **August 2007**

Doctor of Philosophy, Computer Science
Dissertation Title: Vertex-Edge and Edge-Vertex Parameters in Graphs
Dissertation Advisor: Dr. Stephen Hedetniemi
GPA 4.000

East Tennessee State University, Johnson City, Tennessee   **May 2004**

Master of Science, Mathematical Sciences
Thesis Title: Differentials of Graphs
Thesis Advisor: Dr. Teresa Haynes
GPA 3.570

East Tennessee State University, Johnson City, Tennessee   **May 2002**

Bachelor of Science, Mathematical Sciences
Cum Laude, GPA 3.524

TEACHING
EXPERIENCE

University of South Florida, Tampa, Florida   **March 2015 – Present**
Florida Center for Cybersecurity, and
Department of Criminology
Adjunct Instructor

University of Colorado Denver, Denver, Colorado   **August 2013 – Present**
Department of Computer Science and Engineering
Senior Instructor

University of Colorado Denver, Denver, Colorado   **January 2013 – July 2013**
Department of Computer Science and Engineering
Lecturer

Community College of Denver, Denver, Colorado   **August 2012 – December 2012**
Center for Math and Sciences
Affiliate Faculty

Metropolitan State University of Denver, Denver, Colorado   **January 2012 – December 2012**
Department of Mathematical and Computer Sciences
Affiliate Faculty

Clemson University, Clemson, South Carolina   **August 2004 – August 2007**
Department of Computer Science
Graduate Teaching Assistant

East Tennessee State University, Johnson City, Tennessee   **August 2003 – December 2003**
Department of Mathematical Sciences
Adjunct Faculty

PROFESSIONAL
EXPERIENCE

Colorado Electronic Crimes Task Force   **March 2013 – Present**
United States Secret Service
Greenwood Village, Colorado
Forensic Partner/Examiner
Academic Consultant

City of Greenwood Village Police Department   **December 2008 – March 2013**
Greenwood Village, Colorado
Computer Crimes Investigator
Community Liaison Officer
School Resource Officer
Patrol Officer

Georgia Institute of Technology Police Department   **August 2007 – December 2008**
Atlanta, Georgia
Patrol Officer

National Security Agency   **May 2006 – August 2006**
Fort George G. Meade, Maryland
Applied Research Mathematician

PUBLICATIONS

B.C. Dean, S.M. Hedetniemi, S.T. Hedetniemi, J.R. Lewis, and A.A. McRae: "Matchability and k-Maximal Matchings", *Discrete Applied Mathematics*, 159(1):15–22, 2011.

J.R. Lewis, S.T. Hedetniemi, T.W. Haynes, and G.H. Fricke: "Vertex-Edge Domination", *Utilitas Mathematica*, 81:193–214, 2010.

J.L. Mashburn, T.W. Haynes, S.M. Hedetniemi, S.T. Hedetniemi, and P.J. Slater: "Differentials in Graphs", *Utilitas Mathematica*, 69:43–54, 2006.

J.R. Lewis, R. Ellis: "Investigations into the Kaprekar Process", *Rose-Hulman Undergraduate Mathematics Journal*, 3(2), 2002.

PRESENTATIONS

J.R. Lewis: "Domination Critical Graphs with Arbitrary Independent Domination Numbers", *Eighth Annual North Carolina Mini-Conference on Graph Theory, Combinatorics, and Computing*, Appalachian State University, April 2003.

J.R. Lewis, K. Richards, G. Zimmer: "New Approaches to Pebbling a Grid", *Seventh Annual North Carolina Mini-Conference on Graph Theory, Combinatorics, and Computing*, Appalachian State University, April 2002.

D. Pike, J.R. Lewis: "Six Proofs of an Elementary Combinatorial Identity", *Sixth Annual North Carolina Mini-Conference on Graph Theory, Combinatorics, and Computing*, Appalachian State University, April 2001.

J.R. Lewis, R. Ellis, K. Richards: "6174 - Kaprekar's Constant", *Sixth Annual North Carolina Mini-Conference on Graph Theory, Combinatorics, and Computing*, Appalachian State University, April 2001.

Professional Membership	

American Academy of Forensic Sciences   **February 2015 – Present**

Association of Digital Forensics, Security, and Law   **January 2015 – Present**

Association for Computing Machinery   **March 2014 – Present**