

## Devin Henson

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### CONTACT INFORMATION

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### EDUCATION

**University of South Carolina**, Columbia, South Carolina USA

M.S., Mathematics, August 2006

- Dissertation Topic: "Optimization Problems for Genome Sequence Rearrangement"
- Advisor: László Székely

**College of Charleston**, Charleston, South Carolina USA

B.S., Mathematics, May, 2004

### HONORS AND AWARDS

Midlands Technical College Foundation Faculty Teaching Award, 2013  
NISOD Teaching Excellence Award, 2010  
CSEMS Mathematics Scholarship at College of Charleston, 2003  
Summer research grant at College of Charleston, 2003

### ACADEMIC EXPERIENCE

**Midlands Technical College**, Columbia, South Carolina USA

*Instructor*

**January, 2007 - present**

Teaches various mathematics courses ranging from College Algebra through Calculus III and Differential Equations. Responsible for holding office hours and conducting student advisements.

**Columbia International University**, Columbia, South Carolina USA

*Adjunct Instructor*

**August, 2006 - May, 2009**

Taught a class each semester on Mathematical Concepts and Quantitative Reasoning.

**University of South Carolina**, Columbia, South Carolina USA

*Graduate Teaching Assistant*

**August, 2004 - August, 2006**

Taught various mathematics courses ranging from College Algebra through Calculus I. Responsible for holding office hours and conducting Maple lab recitations.

### PROFESSIONAL EXPERIENCE

**Firefly Lectures**, Columbia, South Carolina USA

*Founder*

**July, 2012 - present**

Founded the educational website [www.fireflylectures.com](http://www.fireflylectures.com). Currently developing high quality math lectures covering most topics covered in any K-12 or college undergraduate math course. Develops the Firefly Lectures website.

### PUBLICATIONS

D. Henson, S. Hurd and D. Sarvate. 2007. On Group Divisible Designs With Block Size Four and Three Groups. *Discrete Mathematics*, Vol. 307(14): 1693-1706.

D. Henson and D. Sarvate. 2006. D. Henson and D. Sarvate. A Family of Group Divisible Designs With Block Size Four and Three Groups with  $\lambda_1 = 2$  and  $\lambda_2 = 1$  Using MOLS. *ARS Combinatoria*, Vol. 78.

### PROJECTS

Created an iOS app to help students prepare for the AP Calculus BC exam. App contains audio lecture, 500 flashcards, 500 multiple choice exercises with solutions.

Textbook review: Woodbury, George. Beginning and Intermediate Algebra, 3<sup>rd</sup> ed. 2012.

CONFERENCE  
PRESENTATIONS

D. Henson, 2013. Using Technology to Connect to Students. A presentation during the Fall MTC Inservice at Midlands Technical College, August 2013

D. Henson, 2013. Promoting Student Engagement: Connecting to Your Students and Building Their Skills through Technology. QEP summer workshop at Midlands Technical College, July 2013

D. Henson, 2013. Technology for Teachers. Presentation to Noyce Grant scholarship recipients at The University of South Carolina, April 2013

D. Henson, 2013. Using Technology in the Classroom. A presentation to the New Faculty Learning Community and Faculty Learning Community 4 at Midlands Technical College, March 2013

D. Henson, 2012. A Commuter Campus Conondrum Solved: Office Hours Using Skype. Annual SOCAMATYC Meeting. Columbia, South Carolina USA, April 2012.

D. Henson, 2012. A Commuter Campus Conondrum Solved: Office Hours Using Skype. 24<sup>th</sup> Annual ICTCM Meeting. Orlando, Florida USA, March 2012.

D. Henson and D. Sarvate, 2003. Group Divisible Designs With Block Size Four and With Small Number of Groups. A summer presentation at The Ohio State University, July 2003

TECHNOLOGY

L<sup>A</sup>T<sub>E</sub>X, HTML, CSS, Maple, Camtasia, TI software, Inkscape