

# Ethan A. Smith

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## Résumé

*"People are generally better persuaded by the reasons which they themselves discovered than by those which have come into the mind of others." – Blaise Pascal*

### Education

2012 – 2014 **MA, Mathematics**, *Appalachian State University*, Boone, NC.  
GPA – 3.97

2008 – 2012 **BS, Mathematics**, *North Carolina Central University*, Durham, NC.  
GPA – 3.925, Summa Cum Laude

### Teaching Experience

2014 – 2015 **Mathematics Teacher**, *Olympic Community of Schools*, Charlotte, NC.

#### Courses Taught

- Common Core Math II
- Common Core Math III
- Advanced Functions and Modeling

#### Positions Held

- Lead Teacher on AFM PLC
- Data Coordinator for Math III and Advanced Functions and Modeling

2012 – 2013 **Graduate Teaching Assistant**, *Appalachian State University*, Boone, NC.

#### Courses Taught

- MAT 1020: College Algebra with Applications
- MAT 1025: Pre-calculus

Spring 2012 **Student Teacher**, *Hillside High School*, Durham, NC.

#### Courses Taught

- Algebra I (three sections)

### Awards and Acknowledgments

Feb. 2014 Phi Kappa Phi , Lifetime Member

May 2012 Marjorie Lee Browne Scholarship

Sep. 2009 S-STEM Scholar

May 2008 North Carolina Teaching Fellows

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## ———— Educational Technology Skills

- Moodle
- Geogebra
- Google Classroom
- Promethean ActiveInspire Software
- Geometer Sketch Pad
- Plickers
- Google Drive

## ———— Papers

E. Smith. On quantum groups and crystal bases. Directed research, Appalachian State University.

E. Smith. On the argument principle and Rouché's theorem. 2012.

E. Smith and T. McMullen. On the universal enveloping algebra: Including the Poincaré-Birkhoff-Witt theorem. 2013.

## ———— Presentations

- Mar. 2015 Plickers in the Math Classroom
- Feb. 2015 Using Plickers in the Classroom
- Mar. 2014 Crystal Basis Theory of  $\widehat{\mathfrak{sl}}_2$
- Dec. 2013 The Universal Enveloping Algebra
- May. 2013 On Rouché's Theorem
- Apr. 2012 Young America White House Presenter on the Achievement Gap

## ———— Professional Development Received

- Feb. 2015 PEAK: Teaching for Excellence
- Sept. 2014 Using Google Classroom
- Sept. 2014 Using Castle Learning in the Classroom

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