

Marvin Jones

Professional Experience:

- Assistant Professor, Greenville Technical College, September 2016-August 2018.
- Instructor, Greenville Technical College, August 2014-September 2016.

Education:

- Ph.D. in Mathematical Sciences,
Clemson University, August 2017-Present
Advisor: Xuhong Gao
Field: Cryptography
- M.S. in Mathematics,
University of South Carolina, 2014.
Thesis title: *On the Group of Transvections of ADE-Diagrams.*
Advisor: Jesse Kass
- M.A. in Mathematics,
Wake Forest University, 2012.
Thesis title: *Solutions of the cubic Fermat equation in quadratic fields.*
Advisor: Jeremy Rouse
- B.S. in Mathematics, Minor: Computer Science
Winthrop University, 2010.

Publications:

- M. Jones, J. Rouse, 'Solutions of the cubic Fermat equation in quadratic fields,'
International Journal of Number Theory. **9**, no. 6, (2013), 1579-1591.

Teaching:

- Graduate Instructor of Record, Clemson, MATH 1070 (Differential and Integral Calculus), Sp20
- Graduate Instructor of Record, Clemson, MATH 1040 (Precalculus and Introductory Differential Calculus), Sp19
- Graduate Instructor of Record, Clemson, MATH 1060 (Calculus of One Variable I), Fa18, Fa19
- Lead Instructor, GTC, MAT 110, 2017-August 2018
- Lead Instructor, GTC, MAT 111, 2015-August 2018
- Lead Instructor, GTC, MAT 140, 2016-2017
- Co-Lead Instructor, GTC, MAT 110, 2015-2017
- Instructor, GTC, MAT 240 (Analytic Geometry and Calculus 3), Su16, Fa16, Su18.
- Instructor, GTC, MAT 170 (Algebra, Geometry, and Trigonometry), Sp15, Su15, Sp17, Sp18, Su18.
- Instructor, GTC, MAT 155 (Contemporary Mathematics), Sp18.

- Instructor, GTC, MAT 141 (Analytic Geometry and Calculus 2), Sp16, Su16, Su17, Fa17, Sp18, Su18.
- Instructor, GTC, MAT 140 (Analytic Geometry and Calculus 1), Fa15, Su16, Sp17, Su17, Fa17.
- Instructor, GTC, MAT 130 (Elementary Calculus), Su15.
- Instructor, GTC, MAT 111 (College Trigonometry), Fa14, Sp15, Fa15, Sp16, Sp17.
- Instructor, GTC, MAT 110 (College Algebra), Fa14, Su15, Fa15, Sp16, Fa16, Sp17, Fa17.
- Instructor, GTC, MAT 101 (Beginning Algebra), Su15.
- Instructor, USC - Columbia, Math 115 (Pre-Calculus), Sp13, Sp14.
- Instructor, USC - Columbia, Math 111 (Basic College Mathematics), Su13, Fa13.
- Teaching Assistant, USC- Columbia, Math 141 (Calculus I), Fa12.
- Tutor, WFU, Spring 2011-Spring 2012.
- Private tutor.

Student Mentoring Involvement:

- Lindsey Wise (GTC/GTCHS), Spring 2016-Spring 2017.

Conferences Talks:

- *Solutions of the cubic Fermat equation in quadratic fields*, MAA Southeastern Regional Meeting, Winthrop University, March 15-16, 2013.
- *Solutions of the cubic Fermat equation in quadratic fields*, The Palmetto Number Theory Series (PaNTS) XVIII, Wake Forest University, Winston-Salem, NC, September 15-16, 2012.
- *Solutions of the cubic Fermat equation in quadratic fields*, 2012 Southeastern Regional meeting on Numbers (SERMON), Western Carolina University, Cullowhee, NC, March 30-April 1, 2012.

Seminars:

- *Polynomial commitments with zk-SNARKs*, Clemson University, Clemson, SC, September 21, 2021.
- *Solutions of the cubic Fermat equation in quadratic fields*, Clemson University, Clemson, SC, May 1, 2013.

Undergraduate Talks:

- *Survey in Visual Cryptography*, Math Club, Clemson University, Clemson, SC, April 8, 2022.
- *Congruent Number Problem and Number Theory*, Math Club, Clemson University, Clemson, SC, October 15, 2021.
- *Proof - ϵ* , Math Club, Clemson University, Clemson, SC, April 2, 2021.
- *Survey in Visual Cryptography*, Math Club, Clemson University, Clemson, SC, October 30, 2020.
- *Solutions of the cubic Fermat equation in quadratic fields*, Winthrop University, Rock Hill, SC, October 18, 2012.

Workshops Attended:

- 4th Annual ZKProof Workshop (Home Edition), Online, April 19-29, 2021.
- A Computational Approach to L -functions, University of North Carolina at Greensboro, Greensboro, NC, May 14-18, 2012.

Conferences Attended:

- 3rd PQC Standardization Conference, Online, June 7-9, 2021.
- PAJAMAS, Online, September 19-20, 2020.
- PANTS XXXIII, Clemson University, Clemson, SC, December 14-15, 2019.
- PANTS XXIX, Clemson University, Clemson, SC, December 2-3, 2017.
- PANTS XXVII, University of South Carolina, Columbia, SC, December 3-4, 2016.
- PANTS XXV, Clemson University, Clemson, SC, December 5-6, 2015.
- SERMON XXVII, Wofford College, Spartanburg, SC, April 26-27, 2014.
- SERMON XXVI, High Point University, High Point, NC, April 13-14, 2013.
- MAA Southeastern Regional Meeting, Winthrop University, March 15-16, 2013.
- PANTS XIX, University of South Carolina, Columbia, SC, December 1-2, 2012.
- PANTS XVIII, Wake Forest University, Winston-Salem, NC, September 15-16, 2012.
- SERMON 2012, Western Carolina University, Cullowhee, NC, March 30-April 1, 2012.
- Southeastern Section AMS Meeting, Wake Forest University, Winston-Salem, NC, September 24-25, 2011.

Outreach:

- *Graphics Programming with Processing* with Rick Freedman, NERDSummit 2015, University of Massachusetts - Amherst, September 12, 2015.

Professional Activities:

- Member of ACM, AMS, and MAA.

Undergraduate Experience:

- Research Experience in Mathematics, Winthrop University, Summer 2010.