

Caitlin Waddle Curriculum Vitae/Resume - Mathematics Ph.D.

1354 Vermont St
San Francisco, CA 94110
415-691-1475

cwaddle@mail.sfsu.edu

<https://sites.google.com/view/katie-waddle>

RESEARCH INTERESTS

I am interested in algebraic geometry, topology, and combinatorics, in particular graph theory.

EDUCATION

San Francisco State University

M.A., Mathematics, Expected June 2020

Thesis: *Incidence graph statistics for curves in projective space*

Advisors: Dr. Emily Clader and Dr. Dustin Ross

Stanford University

M.Ed., Secondary Math, June 2010

California Single Subject Credential in Mathematics

University of Chicago

B.S., Mathematics, June 2009

Graduated with Honors

Student Marshal (highest academic award at the University of Chicago)

PROFESSIONAL POSITIONS

San Francisco State University

Research Assistant, August 2019 – present

San Francisco State University

Curriculum Developer, Math 198 Pre-Calculus, January 2019 – June 2019

San Francisco State University

Graduate Teaching Assistant, Math 197/198 Pre-Calculus, August 2018 – June 2019

San Francisco Unified School District

Teacher Coach, Project-Based Learning, August 2018 – June 2019

San Francisco International High School

Student Support Liaison, August 2017 – June 2018

San Francisco International High School

9th and 10th Grade Math Teacher, August 2011 – June 2017

Knowles Teacher Initiative, Kaleidoscope Teaching Journal

Associate Editor, June 2016 – June 2018

San Francisco Unified School District

Curriculum Developer, Algebra I, August 2013 – June 2015

Stanford University

Master Teacher, August 2014 – June 2015

City Arts and Technology High School

9th Grade Math Teacher, August 2010 – June 2011

University of Chicago

Teaching Assistant and Tutor, September 2006 – June 2009

AWARDS AND HONORS

- California State University Sally Casanova Pre-Doctoral Fellowship (75 fellows system-wide per year)
 - ARCS Foundation Scholar (9 scholars at S.F. State per year)
 - David Meredith and Friends Scholarship, S.F. State Math Department 2019 (3 awarded per year)
 - Halmos Scholarship, S.F. State Math Department 2019 (3 awarded per year)
 - Milowski Scholarship, S.F. State Math Department (3 awarded per year)
 - Knowles Teacher Initiative Fellow (15 chosen nationwide per year)
 - Leonore Annenberg Teaching Fellowship administered by the Woodrow Wilson Foundation, \$30,000
 - Phi Beta Kappa and Sigma Xi Honor Societies at University of Chicago
 - Dean's List 2005-2006, 2006-2007, 2008-2009
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PUBLICATIONS

- [1] Waddle, Teach Away Your Student Loans. *Kaleidoscope: Educator Voices and Perspectives* **3**, 2. (2017), 19–22.
 - [2] Barlow, R., Hartung, K., & Waddle, K. *Learning Spanish in Guatemala*. *Kaleidoscope: Educator Voices and Perspectives* **3**, 1. (2016), 2–6.
 - [3] (unpublished white paper) Fraser, James W., et al. *What Made Me the Teacher I Am Today? A Reflection by Selected Leonore Annenberg-Woodrow Wilson Teaching Fellows*. The Woodrow Wilson National Fellowship Foundation. (2016), 15–17.
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RELEVANT EXPERIENCE

- **Mathematistas Club**
President and Outreach Officer, San Francisco State University, Fall 2018 – Spring 2020
 - **MSRI Graduate Summer School**
Participant, Geometric Group Theory, Oaxaca, Mexico, Summer 2019
 - **Women and Mathematics**
Participant, Institute for Advanced Study, Princeton, New Jersey, Summer 2019
 - **Budapest Semesters in Mathematics**
Study abroad, Budapest, Hungary, Fall 2007
 - **University of Chicago Research Experience for Undergraduates**
Participant, Chicago, IL
Group Actions on Trees, Summer 2007
The Grigorchuk Group, Summer 2008
 - **Math Club**
President, University of Chicago, Chicago, Illinois, Fall 2008 – Spring 2009
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CONFERENCE PRESENTATIONS

- Teachers for Social Justice, *A Story of Education Reform: How SFSU Adapted Math Curriculum in Response to Government Mandates*; San Francisco, Fall 2019.
 - San Francisco Unified School District Math Department Lead Meeting, *Getting the Most Out of a Test*; San Francisco, Spring 2017.
 - California Math Council North, *Getting the Most Out of a Test*; Asilomar, Fall 2016.
 - Knowles Teacher Initiative Summer Meeting, *Teaching English While Teaching Math*; Philadelphia, Summer 2012.
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REFERENCES

- Emily Clader, San Francisco State University, eclader@sfsu.edu.
- Dustin Ross, San Francisco State University, rossd@sfsu.edu.
- Diane Herrmann, University of Chicago, dianelynn.herrmann@gmail.com.
- Miklós Abert, Alfred Renyi Institute of Mathematics, abert@renyi.hu.