

Geoffrey Iyer

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Education

University of California, Los Angeles

2012-Present

Ph.D in Mathematics

Advisors: Andrea Bertozzi, Jocelyn Chanussot

Advanced to Candidacy: June 13, 2017

Expected Graduation: May, 2018

University of Michigan

2008-2012

B.Sc in Mathematics, With Honors

Awarded: March 2012

Publications and Preprints

A Graph-Based Approach for Feature Extraction and Segmentation in Multimodal Images

Accepted in the ICIP conference, Beijing, Sept. 2017

Machine Learning for Cardiac Ultrasound Time Series Data (2017)

SPIE: <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=2612408>

Maas Waveforms and Low-Lying Zeros (2013)

Arxiv: <https://arxiv.org/abs/1306.5886>

Low-Lying Zeros of Cuspidal Maas Forms (2011)

Arxiv: <https://arxiv.org/abs/1111.6524>

Generalized More Sums Than Differences Sets (2011)

Arxiv: <https://arxiv.org/abs/1108.4500>

Find and Counting MSTD Sets (2011)

Arxiv: <https://arxiv.org/abs/1107.2719>

Honors and Awards

Chateaubriand Fellowship for Research in Mathematics (2017-2018)

Phi Beta Kappa

Programs

SMALL Undergraduate Research Project Summer 2011
Williams College, Advisor: Steven J. Miller

Teaching

UCLA Teaching Assistant 2012-2017

MATH 131B (Analysis)	Winter 2014
MATH 131A (Analysis)	Fall 2013
MATH 115AH (Honors Linear Algebra)	Fall 2014, Spring 2016, Fall 2016
MATH 115A (Linear Algebra)	Winter 2014, Spring 2014, Summer 2015, Fall 2015
MATH 31B (Calculus)	Summer 2014, Spring 2015
MATH 31A (Calculus)	Winter 2015
MATH 3C (Probability for Life Sciences)	Fall 2014, Spring 2014
MATH 3A (Calculus for Life Sciences)	Summer 2013, Summer 2016
PIC 10A (Intro to C++)	Fall 2015, Winter 2016, Spring 2016
...	Fall 2016, Winter 2017, Spring 2017

Mentorship and Outreach

UCLA Applied Math REU Mentor Summer 2016