michaelmusty

contact

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~mjmusty/

languages

english native speaker
spanish & german
notions

programming

experienced with
Magma, R, LaTeX,
Python, Git, Sage,
Mathematica

notions of Matlab,
C++, HTML5, CSS3,
Javascript, node.js,
MongoDB,...

interests

number theory: Iwasawa theory, Belyĭ maps, cryptography

applied math: natural language processing, evolutionary game theory

education

since 2014 **Ph.D. in Mathematics** — Dartmouth College
Expected June 2019

2014 - 2015 **M.Sc. in Mathematics** — Dartmouth College

2012 - 2014 **M.Sc. in Mathematics** — University of Vermont
Thesis title: Computing Iwasawa λ-invariants

2008 - 2009 **Graduate Studies** — McGill University

2004 - 2008 **B.Sc. in Mathematics / Scientific Computing** — Boston College

professional experience

since 2012 **Graduate Teaching Assistant** — University of Vermont / Dartmouth College
Department of Mathematics

2010 - 2013 **Lecturer** — Norwich University
Department of Mathematics

2011 - 2012 **Organizer: Joshua M. Stimson Math Program** — Haverhill School District

2008 - 2009 **Graduate Teaching Assistant** — McGill University
Department of Mathematics

research experience

since 2014 **Text processing of medical records** — Dartmouth College
with Aaron Steen in the Geisel School of Medicine

since 2013 **Computing Iwasawa λ-invariants** — University of Vermont
M.Sc. thesis with Jonathan Sands

since 2012 **Numerical computation of three-point covers of the projective line** — University of Vermont
Published in LMS Journal of Computation and Mathematics
with Michael Klug, Sam Schiavone, and John Voight

2007 **REU in computational algebraic geometry** — Texas A&M University
with J. Maurice Rojas

awards and grants

since 2012	**Graduate Teaching Assistantships**	University of Vermont / Dartmouth College
2008 - 2009	**McGill International Doctoral Award (MIDAS)** *Department of Mathematics*	McGill University
2008 - 2009	**Provost's Graduate Fellowship** *Department of Mathematics*	McGill University
2007	**NSF / IMA REU Grant DMS-0349309** *Department of Mathematics*	Texas A&M University