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Education:**University of California, Berkeley**

Ph.D. in mathematics, May 2006

Thesis Title: "Ramification Points on the Eigencurve"

Thesis Advisor: Robert F. Coleman

University of Chicago

B.S. in mathematics with honors, June 2000

Research Interests:**Number Theory and Arithmetic Algebraic Geometry.**

modular forms, p-adic modular forms, eigencurves, p-adic L-functions, Galois representations, Fontaine-Mazur conjecture, rigid analytic geometry.

Publications:

"Ramification Points on the Eigencurve," (In preparation).

"A Two Variable Symmetric Square p-adic L-function," (In preparation).

Conferences and Talks:

Organizer of the "p-adic L-functions" Seminar,
Fall 2005, UC Berkeley.

Gave talk titled "Ramification Points on the Eigencurve,"
Oct. 2005, Number Theory Seminar, UC Berkeley.

Participant of "Explicit Methods in Number Theory" Workshop,
Sept.- Dec. 2004, Centre Emile Borel, Institut Henri Poincare.

Participant of "p-adic Variation of Motives" Workshop,
Dec.13-18, 2003, Banff International Research Station.

Teaching at UC Berkeley:

Awarded UC Berkeley's Outstanding Graduate Student Instructor Award, Fall 2003.

Instructor for Math 74: Transition to Upper Division Mathematics, Fall 2005.

Math 54: Linear Algebra and Differential Equations, Summer 2005.

Math 16A: Calculus, Summer 2003, 2004.

Math 1A: Calculus, Summer 2002.

Teaching Assistant for Math 16A, 1A, 53, 54 for 6 semesters.

Participated in 2 semester long teaching workshops given by Prof. Ole Hald.

References:

Prof. Robert Coleman, UC Berkeley, [**coleman@math.berkeley.edu**](mailto:coleman@math.berkeley.edu)
Prof. Kenneth Ribet, UC Berkeley, [**ribet@math.berkeley.edu**](mailto:ribet@math.berkeley.edu)
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Prof. Ole Hald, UC Berkeley, [**hald@math.berkeley.edu**](mailto:hald@math.berkeley.edu), (teaching).