How to write a Teaching Statement, CV and Design a Web Page

How to craft a teaching statement

- We all care about our students.
- We all want to present course material clearly, with good explanations and lots of examples.
- We all hope to show our students the beauty of mathematics and how it relates to other subjects.
- We all conscientiously prepare our class notes and motivate our lectures.

So, what makes you special?

Crafting a teaching statement

- Have you tried a variety of teaching methods?
- Have you taught in some unusual situations?
- How have you responded to the challenges of having a diverse group of students in your class?
- Has a personal experience influenced the way you teach others?
- Have you used any interesting tools or resources in your teaching?
- Have you had the opportunity to design (or improve) a course?

Crafting a teaching statement

Two types of teaching statements:

1. Mainly a list of courses taught, and some innovations that you made in each class, or challenges you faced in a particular class. This statement is about teaching.
2. A statement about how you have grown as a teacher, researcher or professional through your teaching experiences. This statement is about you.

You should write the type of statement that best suits your personality and experiences.

Dos and Don’ts

- Don’t write about what motivated to like math when you were 7 years old.
- Do write about what motivates you now, if you have a good example of some way you incorporated that into your teaching experiences.
- Don’t write about your hobbies and why you like math.
- Do write about how you have connected with your students through their hobbies (if appropriate).
- Don’t write about things that all good teachers do.
- Do write about what makes you different.

Dos and Don’ts

- Don’t write about an innovative teaching method as the only right way to teach.
- Do write about innovative teaching and what you learned from it.
- Don’t write in vague generalities.
- Do add specific examples.

Teaching is a lifelong process – you are not expected to have all the answers yet!

Dos and Don’ts for Making Web Pages

These days, when we want information about someone, we Google them. Thus it is crucial to have an up-to-date, informative, easy to navigate web page.

- It is a missed opportunity if someone wants to read one of your papers and can’t find it!
- It can be damaging if someone looks you up as a potential job candidate and finds too much personal information.

Dos and Don’ts for Making Web Pages

- Do have a web page, even as a beginning graduate student.
- Do make sure that your web page is easy to navigate. Papers should be clearly referenced.
- Do use pdf, not Word or ps for documents.
- Do include a picture of yourself.
- Do include an updated CV.
- Divide your page into sections, with easy ways to navigate between teaching, research, etc.

Dos and Don’ts for Making Web Pages

- Don’t clutter your webpage!
- Don’t include too much personal information. A few hints about what you like to do outside of work is plenty.
- Don’t be overly silly or weird. No pictures of cats.

THE website of Marius Beceanu

I am a Morrey Assistant Professor in the Berkeley Mathematics Department.

Contact Information

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Office: Evans 805.
Office hours: Wednesdays 3:30-5:30pm or by appointment.

Analysis/PDE Seminar

Past Teaching

Links

Publications

My Ph.D. thesis: link

Papers on ArXiv: link

Weather

City, State or ZIP code Go

Berkeley, CA	Iasi, RO
18 °C	24 °C
Partly Cloudy	Partly Cloudy
at 11:18 AM	at 09:00 PM
Click for Forecast	Click for Forecast

Currently Teaching

Math 121B: Tools for the Physical Sciences II
MWF 1-2pm in 4 Evans
Website: bcourses.berkeley.edu

The Alphabet

By homotopy classes:
ADOPQR B CEFGHIJKLMNSTUVWXYZ

By homeomorphisms:
AR B CGIJLMNSUVWZ DO EFTY HK P Q X

The Press

New York Times

Stuff

These were my two junior year projects at Princeton.

.: Jen Hom :.

HOME | RESEARCH | TEACHING

I'm currently a Ritt Assistant Professor at **Columbia University**. I graduated in 2011 with a PhD in **mathematics** from the **University of Pennsylvania** under the supervision of **Paul Melvin** at **Bryn Mawr College**. During the 2009-2010 academic year, I was a program associate at **MSRI** and an exchange scholar at **UC Berkeley**. During Spring 2013, I split my time between Columbia and the **Simons Center**.

Here is my **CV**.

Email:
hom [at]
math.columbia.edu
Office:
613 Math

Research

I study low-dimensional topology, in particular knot theory, concordance and Heegaard Floer homology. My preprints and papers are available on the **arXiv**.

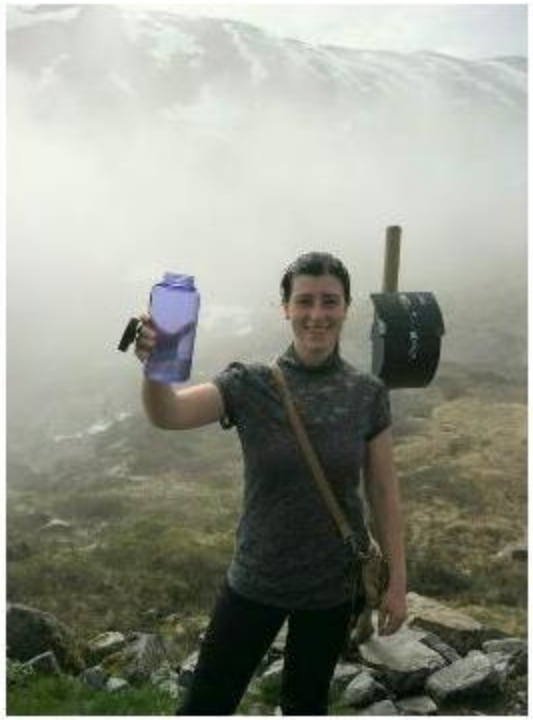
A talk I gave in August 2012 was blogged about on the **Electric Handle Slide**, a graduate student blog focusing on symplectic and low-dimensional topology.

In March 2013, Tye Lidman and I co-organized an AMS special session, which included a discussion of open problems. A list of these problems is available **here**.

Teaching

Summmer 2014 -- **REU** on Left-orderable Groups and Knot Surgery
Spring 2014 -- **Math W4053: Intro to Algebraic Topology**
Fall 2013 -- **Math V1201: Calculus III** & **Math V2000: Intro to High Math**
Summer 2013 -- **REU** on Heegaard Floer Homology and the Fundamental Group (**paper** by F. Doria Medina, M. Jackson, J. Ruales, and H. Zeilberger, **video**)
Fall 2012 -- Math V1201: Calculus III
Summer 2012 -- **REU** on Knot Floer Homology and Concordance (**paper** by J. Tobin)
Fall 2011 -- Math V1201: Calculus III
Summer 2011 -- **REU** on Knot Floer Homology: Properties and Computations (**paper** by S. Hancock, J. Hom, and M. Newman)

Jenya Sapir



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Research

I'm a student of Maryam Mirzakhani and I'm interested in geometric topology and geometric group theory.

Briefly, I'm currently studying geodesics on hyperbolic surfaces. I'm getting bounds on the number of closed geodesics given an upper bound on length and number of self-intersections. Then I'm extending a result of Birman and Series. Their result says that the number of complete geodesics with at most K self-intersections passes through a sparse set on a hyperbolic surface S. I'm extending their result to families of complete geodesics with infinitely many self-intersections, where these self-intersections are themselves sparsely distributed along the geodesic.

Here is my CV and my research statement.

Here is a poster I made in Inkscape for the ICERM workshop. If you're curious about the underlying svg file, it's here.

Teaching

I'm not teaching this year, but here is my teaching statement.

Previous teaching at Stanford:

Fall 2012 Math 41 TA	Winter 2013 Math 113 CA
Fall 2011 Math 41 TA	Winter 2012 Math 109 CA

Dos and Don’ts for a CV

- Do include awards and memberships in mathematical societies like the AMS.
- Do include a section of papers/publications. You may include papers that are in preparation, especially early in your career.
- Do check your grammar and punctuation. Try to have someone else look for spelling and grammar errors as well.
- Do include your teaching experience as a TA and as an instructor of record.
- Do include teaching awards and honors. (This should be the overlap between teaching statement and CV)

Honors, Awards and Memberships

Member of the American Mathematical Society

Graduate Assistance in Areas of National Need (GAANN) Fellowship for Graduate Studies in Mathematics, 2011-2012 academic year

Rutgers University, Department of Mathematics TA Teaching Excellence Award, 2011

GAANN Fellowship for Graduate Studies in Mathematics, 2008-2009 academic year

Papers

K. Bou-Rabee, D.B. McReynolds, P. Patel, **Generalized Divisibility Functions, Averages and Representations**. In preparation.

K. Bou-Rabee, M.F. Hagen, P. Patel, **Residual Finiteness Growths of Virtually Special Groups**. arXiv:1402.6974. Submitted.

P. Patel, **On a Theorem of Peter Scott**. Accepted by *Proceedings of the AMS* September, 2012

Invited Talks

Michigan State University Geometry Seminar, April 2014

Indiana University Teichmüller Theory Seminar, September 2013

CUNY Geometry and Topology Seminar, April 2013

Geometric Groups on the Gulf Coast Conference, March 2013

Purdue University Geometry Seminar, February 2013

University of Michigan Topology Seminar, January 2013

Joint Meetings of the AMS Special Session: Topics in geometric and analytic methods in Teichmüller theory and hyperbolic geometry, January 2013

Teaching Experience

Lead Instructor August 2011-December 2011, May 2012-present
Finite Math, Calculus I, Precalculus, Calculus III
Georgia Institute of Technology

Undergraduate Summer School Teaching Assistant July 2011
Surface Topology
Park City Mathematical Institute, Park City, UT

Teaching Assistant Georgia Institute of Technology. Atlanta, GA 2008-present
Led recitations for calculus I,II,III and Differential Equations

Supplemental Instructor 2006-2008
Case Western Reserve University, Cleveland, OH

Residential Teaching Assistant Equinox Program, Cleveland, OH Summer 2006

Dos and Don’ts for a CV

- Don't add too many personal interests.
- Don't go into details about your teaching philosophies. Save this for the teaching statement.
- Don't include every last detail in your CV. Consider having around a two page limit.
- Don't leave off or bury important information.

3-manifolds: Heegaard Splittings, the Curve Complex, and Hyperbolic Geometry
Rice University, Houston, Texas — April 2013

Hot Topics: Surface subgroups and cube complexes
Mathematical Sciences Research Institute, Berkeley, Calif. — March 2013

Young Geometric Group Theory II
The Technion, Haifa, Israel — February 2013

Conference on Automorphisms of Free Groups
Centre de Recerca Matemàtica, Bellaterra, Spain — November 2012

IAS/Park City Mathematics Institute (Topic: Geometric group theory)
Park City, Utah — July 2012

Young Geometric Group Theory Meeting
MRCC, Będlewo, Poland — January 2012

Tech Topology Conference
Georgia Institute of Technology, Atlanta, Georgia — December 2011

Geometry & Topology Down Under
The University of Melbourne, Melbourne, Australia — July 2011

Recent Advances in Geometric Group Theory
University of Southampton, Southampton, England — June–July 2011

The Geometry of Real Projective Structures
Snowbird Resort, Utah — June 2011

The 6th William Rowan Hamilton Geometry & Topology Workshop
Hamilton Mathematics Institute, Dublin, Ireland — September 2010

International Congress of Mathematicians
Hyderabad, India — August 2010

Geometry, Topology and Dynamics in Negative Curvature
Raman Research Institute, Bangalore, India — August 2010

Oberwolfach Seminar on Bounded Cohomology
Mathematisches Forschungsinstitut Oberwolfach, Germ. — May–June 2009

More Examples of Groups
The Ohio State University, Columbus, Ohio — May 2009

Examples of Groups
The Ohio State University, Columbus, Ohio — May–June 2008

Georgia Topology Conference
University of Georgia, Athens, Georgia — May 2008

The Fourth Ahlfors–Bers Colloquium
Rutgers University, Newark, New Jersey — May 2008

Geometric Groups on the Gulf Coast
Pensacola Beach, Florida — March 2008

Joint Mathematics Meetings
San Diego, California — January 2008

Topics in Teichmüller Theory and Kleinian Groups
Mathematical Sciences Research Institute, Berkeley, Cal. — November 2007

Dos and Don’ts for a CV

- Do include select talks and/or conferences instead of a list of all of them.
- Do address a long gap in your CV if one exists.
- Do consider having two CVs. One for your website and job market, another longer one with all relevant info.