

**CONTACT
INFO**

Office address: 1037 Evans Hall, Department of Mathematics, University of California,
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Citizenship: Iran, US permanent resident

EDUCATION

University of California Berkeley, CA, USA.
Ph.D. Candidate, Mathematics , Expected Graduation May 2018.

Northeastern University, MA, USA.
M. Sc. in Mathematics, Partial Differential Equations. Dec 2011.

University of Tehran, Tehran, Iran.
M. Sc. in Pure Mathematics with honors, Graph Theory, 2008.
B.Sc. in Pure Mathematics, 2005.

**RESEARCH
INTERESTS**

Algebraic Combinatorics, Discrete & Polyhedral Geometry, Graph Theory.

**PAPERS &
PREPRINTS**

M. Farahmand and M. Beck, Partially magic labelings and the Antimagic Graph Conjecture, *Séminaire Lotharingien de Combinatoire* **78B** (2017), Article 86, 11 pp. (FPSAC'17 Proceedings).

**HONORS &
AWARDS**

2016-17 University of California Dissertation-Year Fellowship, UC Berkeley
2015-16 Outstanding Graduate Student Instructor Award, UC Berkeley
2016 Sp. Lehmer Fellowship, Math department's graduate fellowship competition
2015 Su. Summer Grant Award, Math department, UC Berkeley
2011 Su. Ling-Ma Award, Math department fellowship, Northeastern University
2010 Fa. Outstanding Student Scholarship, Northeastern University
2006 Su. Ranked 42nd in Master Entrance Exam, among 50,000 Math students, Iran
2001 Fa. Outstanding student award, University of Tehran, Iran

**TEACHING &
MENTORING**

Instructor-UC Berkeley:
2014 Su. Analytic Geometry and Calculus II (Math 16B)

Graduate Student Instructor-UC Berkeley:

2012 Sp. Calculus I (Math 1A)
— Fa. Calculus II (Math 1B)
2013 Sp. Multivariable Calculus (Math 53)
— Fa. Multivariable Calculus (Math 53)
2014 Sp. Analytic Geometry and Calculus II (Math 16B)
— Fa. Analytic Geometry and Calculus II (Math 16B)
2015 Sp. Analytic Geometry and Calculus II (Math 16B)
— Fa. Analytic Geometry and Calculus II (Math 16B)

2016 Sp. Analytic Geometry and Calculus II (Math 16B)
2017 Fa. Analytic Geometry and Calculus I (Math 16A)

Average student rating over 16 discussion sections and one summer lecturer position in UC Berkeley is 6.1/7, **ranked 1st among all Graduate Student Instructors in Math Department.**

Instructor-Northeastern University:

2010 Sp. Calculus for Business and Economics (Math 1231)
—— Fa. Calculus for Science and Engineering (Math 1341) & (Math 1231)
2011 Sp. Calculus for Business and Economics (Math 1231)

Teaching Assistant-Northeastern University:

2011 Fa. Multivariable Calculus (Math 2323)

Tehran University-Teaching Assistant:

2007 Fa. Algebraic Graph Theory
2006 Sp. Multivariable Calculus (Calculus III)
—— Fa. Multivariable Calculus (Calculus III)

Mentoring:

1. **DRP**, Berkeley mathematics directed reading program, conducting research as a mentor with a math undergraduate student

Undergraduate students advised:

- Jinnie Rhee, UC Berkeley. Project: Catalan Numbers, Spring 2017
2. **GSI leader**, discipline-cluster workshop leader of Teaching Conference for First-Time Graduate Student Instructors, UC Berkeley, Fall 2016
 3. **Outreach**, panelist, Q&A on finding and applying to PhD programs, San Francisco State University, October 2017
 4. **Head Graduate Student Instructor**, Managing a team of 10 teaching assistants for the 430-student course “Analytic Geometry and Calculus” UC Berkeley, Fall 2015
 5. **“Bridge to Calculus”**, a summer math enrichment program specifically designed to prepare high-school students for AP calculus, Boston, 2010

TALKS

2017 Apr. Partially Magic Labelings, Combinatorics seminar, UC Berkeley
2016 Apr. Antimagic Graph Conjecture, poster presentation AWM conference, UCLA
2015 Oct. Hyperplane Arrangements, UC Berkeley
2013 Nov. Flow Polytopes and Kostant Partition Function, UC Berkeley
2007 Fa. Nowhere Zero Flow on Graphs, Tehran University
2007 Sp. Group Connectivity on Graphs, Tehran University

**EMPLOY-
MENT**

2012-2018 Private Math Tutor, Berkeley
2008-2009 Math Teacher at Gama high school and Refah high school, Tehran-Iran
2006-2009 Private Math Tutor for different graduate and undergraduate courses, National Institution of Mathematics, Tehran, Iran

CONFERENCE ATTENDED 2017 Aug. Connections for Women: Geometric and Topological Combinatorics, MSRI
— Oct. Methods in geometric and topological combinatorics, MSRI
— Oct. Bay Area Discrete Math Day (BAD Math), Saint Mary's College
— Sep. Introductory Workshop: Geometric and Topological Combinatorics, MSRI
— Apr. Bay Area Discrete Math Day (BAD Math), San Jose State University
— Apr. Association for Women in Mathematics Research Symposium, UC LA
2016 Oct. Bay Area Discrete Math Day (BAD Math), UC Davis
2015 Oct. Bay Area Discrete Math Day (BAD Math), San Francisco State University
2014 Apr. Formal Power Series and Algebraic Combinatorics (FPSAC'14) , DePaul University, Chicago
2012 Jun. Algebraic Statistics, Penn State

SOFTWARE SKILLS Microsoft Excel, Corel, Adobe Photoshop, Flash, Frontpage, Wordpress.
Coding: Mathematica, Maple, Latex, HTML, CSS.

EXTRA-CURRICULAR ACTIVITIES

1. Certified Web Designer, a Certified Internet Webmaster from Tehran Institute of Technology.
2. Designed and maintained "Theoretical and Applied Fluid Dynamic Laboratory Website" for Mechanical Engineering Department of UC Berkeley, 2013.
3. A member of the Web Designing Team for Math Department of Northeastern University, Fall 2009.
4. Lead Organizer for "Summer School" programs and activities for 25 high school students, Tehran, Iran, Summer 1997-1999.
5. Persian Miniature and Persian Calligraphy for more than ten years and participating in Art Exhibitions in US.
6. *Team Sport*: Ranked 1st in Boston DragonBoat, Summer 2012.
7. *Volunteer teacher* for "Andeeshah Farsi School", Oakland, CA Spring 2013.

REFERENCES **Matthias Beck**, Research
San Francisco Sate University, mattbeck@sfsu.edu

Mark Haiman, Research
University of California Berkeley, mhaiman@math.berkeley.edu

Denis Auroux, Teaching
University of California Berkeley, auroux@math.berkeley.edu

Zvezdelina Stankova, Teaching
University of California Berkeley, stankova@berkeley.edu