Peyam Ryan Tabrizian

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Summary and Skills

UC Berkeley Mathematics graduate student, expecting to receive his PhD in May 2016, seeking to apply his quantitative knowledge.

- Is able to work on hard and open-ended problems
- Can communicate ideas effectively both to a general audience and to specialists, due to teaching and seminar experience
- Has excellent quantitative and analytical skills, and good programming skills (including MATLAB)
- Speaks 6 languages, 4 of which fluently

Education

May 2016 (expected)	**Doctor of Philosophy in Mathematics, UC Berkeley** Relevant Coursework: Partial Differential Equations, Probability Theory, Numerical Solutions of Differential Equations
May 2010	**Bachelor of Arts in Mathematics, UC Berkeley** Relevant Coursework: Intro to Probability/Statistics at an Advanced Level, Numerical Analysis, Micro/Macroeconomic Theory, Intro to Symbolic Programming, Structure and Interpretation of Computer Programs

Work Experience

Fall 2010 To Current	**Graduate Student Instructor, UC Berkeley** Led 2 discussion sections per semester, to a total of 80 undergraduates; wrote and administered weekly quizzes, and assisted in grading exams. As a result, acquired excellent communication and leadership skills.
Fall 2012 Spring 2014 Summer 2014 Summer 2015	**Graduate Student Researcher, UC Berkeley** Exclusively focused on doctoral research. Projects included investigating an equation modeling chemical reactions (in 2014) which ultimately led to my dissertation, as well as summarizing large pieces of information about propagation in non-homogeneous media in 3 seminar talks (in 2015). This made me gain valuable research experience, and enhanced my professional communication skills
Summer 2011 Summer 2012	**Summer Instructor, UC Berkeley** Taught Calculus (in 2011) and Linear Algebra and Differential Equations (in 2012) to 40 students for 8 weeks per summer. Gave lectures, problem solving sessions, created and graded exams, and assigned final grades. This helped in building leadership skills

Languages Spoken

Mother-tongue:	Farsi, German
Native speaker:	English, French
2+ years-experience:	Arabic, Spanish

Computer Skills

Basic Knowledge:	Excel, Powerpoint, Publisher, Outlook, Word, html, LaTeX, R
1+ years-experience:	MATLAB, Scheme (dialect of LISP)

Selected Publications

2016 Evans, L. C., and Tabrizian, P. R., *Asymptotics for the scaled Kramers-Smoluchowski equation*, to appear in *SIAM Journal of Analysis*, 2016, 1-22

Awards

March 2013	**Teaching Effectiveness Award** Awarded campuswide to 12 TAs each year, who have identified a particular teaching problem in their own classes and assessed an effective response Essay Title: "The advantages of rearranging the topics covered in a course"
March 2012	**Outstanding Graduate Student Instructor − Award** Awarded campuswide to 200 TAs each year for their outstanding teaching work
May 2010	**Dorothea Klumpke Roberts Undergraduate Prize** Awarded to Seniors who have achieved truly exceptional scholarship in Mathematics