

## Personal Information

Citizenship United States of America  
Email Soheil.Safii@gmail.com

## Education

Mar. 2015 **Ph.D. in Mathematics**, University of California, Riverside.  
Thesis title: *Equivariant and Isovariant Function Spaces*  
Thesis advisor: Reinhard Schultz

Jun. 2011 **M.S. in Mathematics**, University of California, Riverside.

Dec. 2006 **B.A. in Mathematics**, University of California, San Diego.

## Experience

2018–2019 **Analytic Scientist**, FAIR ISAAC CORPORATION (FICO), San Diego, CA.  

- Research and development of models for financial and healthcare applications.
- Machine Learning, Neural Networks, Topological Data Analysis, Reinforcement Learning.

2015–2017 **Adjunct Professor**, SANTA MONICA COLLEGE, Santa Monica, CA.  

- Elementary Algebra, Intermediate Algebra, Pre-Calculus, Single Variable Calculus.

2015–2017 **Adjunct Professor**, COLLEGE OF THE CANYONS, Santa Clarita, CA.  

- Elementary Algebra, Intermediate Algebra, Single Variable Calculus, Differential Equations.

2009–2014 **Associate Instructor - Teaching Assistant**, UNIVERSITY OF CALIFORNIA, RIVERSIDE, Riverside, CA.  

- Teaching Assistant: Pre-Calculus, Single Variable Calculus, Multi-Variable Calculus, Business Calculus, Linear Algebra, Set Theory, Differential Equations, and Modern Algebra.
- Associate Instructor: Pre-Calculus, Single Variable Calculus, Applied Linear Algebra, and Differential Equations.
- Seminar: Topology Qualifying Exam Seminar.

2015–2017 **Tutor**, 310TUTORS, Santa Monica, CA.  

- Tutor: Arithmetic, Algebra, Geometry, Pre-Calculus, Calculus, AP Calculus AB/BC.

## Awards

2015 Outstanding Teaching Assistant, University of California, Riverside  
2009 Graduate Fellowship, University of California, Riverside

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## Computer Languages and Environments

Data Science Python (SciPy, NumPy, pandas, scikit-learn, TensorFlow, Keras), SQL, jupyter  
General Haskell, Java, C#, HTML/CSS/JavaScript, Ruby, Ruby on Rails, L<sup>A</sup>T<sub>E</sub>X

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## Presentations

2017 **College of the Canyons.**

- Math Club: *Machine Learning and Neural Networks*, November 17, 2017.

2011–2013 **University of California, Riverside.**

- Topics in Homotopy Theory: *Division Algebras*, October 10/12, 2011.
- Introduction to Category Theory: *Monic and Epic Morphisms in Categories*, March 12, 2012.
- Algebraic Topology II: *G-actions and Spectral Sequences*, March 15, 2013.
- Graduate Student Seminar: *Equivariant and Isovariant Function Spaces*, December 2, 2013.
- Topology Seminar: *Homology with Twisted Coefficients*, March 4, 2014.