

## 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

- 2019–Present **Self-Employed**, Santa Monica, CA.  
  - Consultant: Provide data analytic insights for businesses on a contract basis.
  - App developer: Backend developer for educational games for kids.
  - Tutor: Work with students on various topics in math and computer science.
- 2023–2024 **Lecturer**, *UNIVERSITY OF CALIFORNIA, SAN DIEGO*, La Jolla, CA.  
  - Introduction to College Mathematics, Pre-Calculus, Calculus for Science and Engineering, Calculus and Analytic Geometry for Science and Engineering.
- 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.

## Computer Languages and Environments

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

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## Awards

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

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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.

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## Additional Resources

Teaching evaluations are available on my webpage: [www.soheilsafii.com/teaching](http://www.soheilsafii.com/teaching)