Hamid Shafieasl's Resumé

December 4, 2024

1. Personal information ∞ Personal page

* Hamid Shafieasl
* hamidmath2013@outlook.com ∞ **linkedin**
* Computer Science (AI) PhD student at ∞ **the University of Utah, Utah, USA**

2. Education

* PhD in Mathematics, ∞ **Azerbaijan Shahid Madani University**, Tabriz, Iran, Recieved in 2019
* MSc in Mathematics, ∞ **Azerbaijan Shahid Madani University**, Tabriz, Iran, Recieved in 2011
* BSc in Mathematics, ∞ **Azad University of Tabriz**, Tabriz, Iran, Received in 2009

3. Other education and expertise

- Machine learning, Stanford university, taught by professor Andrew Ng, ∞ **Coursera.org**
- Python programming languages (Self-educated)
- Familiar with Numpy, Matplotlib and Tensorflow libraries of python, K-mean clustering, logistic regression, general concept of supervised and unsupervised meachine learning, SQL and MongoDB data bases

4. Projets and code experience

- Mathematical fondation of two reputable origamis, Python coding in Rhino-Grasshopper environment with *rhinoscriptsyntax* libraries, Objective programming languages, binary search
- K-means clustering and Quantization for SIESTA model in continual learning (DNN). ∞ **Code**
- Curvature and Torsion of discretized curves for computer-designed curves. ∞ **Code**

5. Work experience

- **Python teacher in private institutes**
- **Math lecturer in Azerbaijan Shahid Madani University, 2011 ∼ 2018**, Linear algebras, Calculus, Mathematical Analysis, Differential equations, Complex functions, Discrete Mathematics
- **Math teacher in various colleges since 2009 till now**

6. Research interests

- Interdisciplinary fields between mathematics and machine learning
- Deep learning, Neural networks

7. Awards and honours

- **Rank 1st** in commulative GPA among pure mathematics B. Sc.
- **Rank 1st** in commulative GPA among pure mathematics M. Sc.
- **Stackexchange member**, **Reputation:** 3015.

8. Publications

- **A. Safary, H. Shafieasl and J. Mitani**, *Geometric Design Tool for One-Fold, a Curved Origami with a Single Fold*, Journal for Geometry and Graphics, 28 (2024), No. 1, 089–101. ∞ **Link**
- **H. Pourmahmood-Aghababa, M. H. Sattari and H. Shafieasl**, *Bounded pseudoamenability and contractibility of certain Banach algebras*, Filomat, University of Nis, Nis, Serbia Vol. 34 No. 5 (2020). ∞ **Link**
- **M. H. Sattari and H. Shafieasl**, *Symmetric module and connes amenability*, Sahand Communications in Mathematical Analysis (SCMA) Vol. 5 No. 1 (2017), 49-59. ∞ **Link**
- **M. H. Sattari and H. Shafieasl**, *Product of derivations on Triangular Banach algebras*, Journal of Hyperstructures 6 (1) (2017), 28-39. ∞ **Link**

9. Hobbies

- English literature, movies, books
- Following Technological Developments in various fields
- Chess, Football, Climbing