



## Preni Golazizian

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### Education

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#### Sharif University of Technology | Tehran-Iran

Bachelor of Science in Computer Engineering

Degree anticipated December 2020

Current GPA: 3.71 / 4

### Research and Work Experiences

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#### Data Scientist | IDEHHUB Consulting Company | January 2020 – Present

- Responsible for the process of data collection from the customer
- Data cleansing and preprocessing
- Collecting and scraping data from social media and building relevant models needed for our tasks
- Building regression, classification and other required models to conduct predictive analysis and gain business insights
- Preparing proper visualizations and insightful reports from the results and presenting to the team and the customer
- Automation of the above process

#### Data Science Researcher on COVID-19 | University of Amsterdam | August 2020 - Present

Analyzing the relationship between social media users' attitudes towards COVID-19 and COVID-19 real-world statistics using Twitter data.

#### Research Assistant | Sharif University of Technology | January 2020 – Present

Working on early fake news detection in social media. Combining a recurrent neural network, which predicts the label of a claim, with a network that learns halting-policy as a reinforcement learning task.

#### NLP Research Intern | Miras Technologies | June 2019 – November 2019

- Worked on *irony detection in Persian language*. Developed an emoji prediction model at first, employed a transfer learning approach to detect irony in short texts. Proposed the first manually labeled dataset with irony tags and the largest dataset of Persian tweets with emoji labels.
- Contributed to a *twitter trend extraction* research project. Proposed a modified version of the RankClus algorithm to extract trends from the constructed tweets graph, and rank tweets, words, and hashtags in each trend concerning their importance and relevance to the topic.
- Contributed to a research project for *Optimizing Annotation Effort Using Active Learning*. Verified active learning approaches' compatibility with Persian. Proposed a novel active learning strategy based on topic modeling and entropy.

## Skills

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**Data and Analytics Tools/Languages** | Python, SQL, Tableau, Microsoft PowerBI, Tensorflow, Keras, Pytorch

**Data Analytical Skills** | Data cleansing, modeling, and mining, Machine learning, Deep Learning, Natural Language Processing, Predictive modeling, Quantitative analysis, Big data

**Soft Skills** | Effective Communication, Critical thinking, Business Sense, Problem Solving

**Other Tools and Technologies** | LaTeX, MATLAB, Verilog, Altera Quartus, Modelsim

**Other** | Probability and Statistics, Linear Algebra, Artificial Intelligence, Technical Writing, Financial Statement Analysis, Building Issue Trees Based on Customers' Data

## Publications

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### **Irony Detection in Persian Language: A Transfer Learning Approach Using Emoji Prediction**

Preli Golazizian, Behnam Sabeti, Seyed Arad Ashrafi Asli, Zahra Majdabadi, Omid Momenzadeh and Reza Fahmi , *International Conference on Language Resources and Evaluation (LREC)*, 2020, Marseille, France, pages 2832-2838.

### **Twitter Trend Extraction: A Graph-based Approach for Tweet and Hashtag Ranking, Utilizing No-Hashtag Tweets**

Zahra Majdabadi, Behnam Sabeti, Preli Golazizian, Seyed Arad Ashrafi Asli, Omid Momenzadeh and Reza Fahmi, *International Conference on Language Resources and Evaluation (LREC)*, 2020, Marseille, France, pages 6215-6221.

### **Optimizing Annotation Effort Using Active Learning Strategies: A Sentiment Analysis Case Study in Persian**

Seyed Arad Ashrafi Asli, Behnam Sabeti, Zahra Majdabadi, Preli Golazizian, , Omid Momenzadeh and Reza Fahmi, *International Conference on Language Resources and Evaluation (LREC)*, 2020, Marseille, France, pages 2848-2854.

## Research Interests

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Applications of Natural Language Processing in Social Networks Analysis

Prediction of Human Behavior using Online Information

Social Computing

Opinion Mining on Social Media

Machine Learning

## Teaching Experiences

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### **Head Teacher Assistant**

“Artificial Intelligence” | Prof. Peyvandi | Spring semester – 2020

### **Teacher Assistant**

“Digital Systems Design” | Prof. Ejlali | Spring semester - 2020

### **Teacher Assistant**

“Database Design” | Prof. Heydarnoori | Spring semester - 2019

### **Teacher Assistant**

“Analysis and Design of Systems” | Dr. Taromi Rad | Fall semester - 2019

## Interests and Activities

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### "Makeathon" 2017 Competition Event at SUT

Elected as one of the top five projects in Data Science field where accomplished:

- Business Model Creation
- MVP Production
- Effective Presentation for Investor and Scrum

**Cultural Events Organizer at Armenian Ararat Organization** | Since 2015

**Student Parliament Member** | 2014 - 2016

**Interests** | Theatre, Psychology, Poetry, Fitness

## Languages

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**Armenian – Persian** | Native

**English** | Advanced