Rouzbeh Ghasemi

CONTACT INFORMATION

Dept. Computer Engineering
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RESEARCH INTEREST

- Machine Learning
- Data Mining
- Marketing
- Natural Language Processing

EDUCATION

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran
- B.Sc. Computer Engineering Sep 2016 - Feb 2021
  - GPA: 15.67/20 ≃ 3.20/4 - 141/141 credits
  - **GPA over the past two years: 16.83/20 ≃ 3.59/4**

PUBLICATIONS

- **Ghasemi, R.**, Ashrafi Asli, S. A. and Momtazi, S. (2020). Deep Persian sentiment analysis: Cross-lingual training for low-resource languages, Journal of Information Science. doi: 10.1177/0165551520962781.
- **Ghasemi, R.** and Momtazi, S. (2021). How Deep Contextualized Representation and Attention Mechanism Justifies Explainable Cross-lingual Sentiment Analysis (submitted)
- **Ghasemi, R.**, Goharfar, A. and Momtazi, S. (2021). What customers value most: A cross-cultural analysis using hotel reviewers' perspective (submitted)
- Asgarian, S., **Ghasemi, R.** and Momtazi, S. (2021). Generative Adversarial Network for Sentiment-based Stock Prediction (submitted)

INTERNSHIP

Kharazmi IT Development Company, Tehran, Iran
- Internship in Business Intelligence (Jul 2019 - Sep 2019)

TECHNICAL SKILLS

- **Programming Languages:**
  Java, C/C++, Python
  Familiar: Matlab, VHDL, Verilog, Assembly, Shell Script
- **Editing:** Adobe Photoshop, Adobe Lightroom
- **OS:** Windows, Linux (Debian-based)
- **Typesetting:** LaTeX, Microsoft Word
- **Web:** Java Script, PHP, Bootstrap, XML
- **DB:** Familiar with: MySQL, MongoDB.
- **DM:** Scikit-Learn, Pandas, Matplotlib, Numpy
- **Other:** Metatrader4, Google AdWords, Google AdSense, Orcad Pspice, Atmel Studio, Lingo

SELECTED RELEVANT EDUCATION AND COURSE WORK

- **Machine Learning (MSc):** 17.5/20
- **Computational Intelligence:** 16/20
- **Data Struct. & Algo.:** 16.5/20
- **Principles of Comp. & Prog.:** 18.5/20
- **Software Engineering II:** 19/20
- **Information Security:** PASS*
- **Introduction to Bioinformatic:** PASS*
- **Principles of Compiler Design:** PASS*
- **Principles of Managemet:** 20/20
- **Linear Optimization:** 17/20
- **Computer Networks:** 17/20
- **Design of Algorithms:** 17/20
- **Operating Systems:** 17.5/20
- **Information Retrieval:** PASS*
- **Startup Development:** PASS*
- **Data Mining:** PASS*

∗ COVID-19 Semester(Grades were binary due to COVID-19)

ABROAD TEACHING ASSISTANT

Staffordshire University, Staffordshire, United Kingdom – Unofficial Teaching Assistant

- **A.I. For Computer Games** Instructor: Dr. Saeed Shiry Ghidary (Fall 2020)
  This course introduces fundamental concepts within the field of AI by exploring the main areas and issues. I was responsible for preparing assignments.

TEACHING EXPERIENCE	**Amirkabir University of Technology**, **Tehran, Iran** – Teaching Assistant

- **Data Mining** Instructor: Dr. Ehsan Nazerfard   (Spring 2021)
- **Principles of Compiler Design** Instructor: Dr. Mohammadreza Razzazi   (Fall 2020)
- **Computer Architecture** Instructor: Dr. Hamed Farbeh   (Spring 2020)
- **Data Struct. & Algo.** Instructor: Dr. Mohammad Akbari (Spring 2019 & Fall 2019)
- **Principles of Computer & Prog.** Instructor: Dr. Saeed Shiry Ghidary (Fall 2018 & Spring 2019)

PRESENTATION

- NODET Highschool Presentation, entitled "Introduction to Data Science" (Spring 2021)
- Undergraduate Talk 2018, entitled "Principal Component Analysis (PCA)" (Fall 2018)
- Undergraduate Talk 2018, entitled "Predict web service behavior based on HMM" (Fall 2018)

HONORS AND AWARDS

- **Bootstrap Lean Startup(BLS)**
  Ranked in the top **%2** out of 3000 applicants of Bootstrap Lean Startup training program at Sharif University of Technology (Oct 2016 - Jun 2017)

EXTRA-CURRICULAR ACTIVITIES

- **Member of Student Guild Council** (May 2018 - Jun 2019)
  Member of Student Guild Council of Computer Engineering Faculty
- **Member of Organization Committee** (Dec 2019 & Mar 2019)
  4th & 5th Amirkabir International Artificial Intelligence Contests

LANGUAGE PROFICIENCY & TEST SCORES

- **Persian** (Native)
- **English** (Fluent)
  - TOEFL (iBT) : R^{20}, L^{22}, S^{21}, W^{22}, Total Score :85
  - GRE (General) : Will Be Taken On May 10th

REFRENCES

- **Saeedeh Momtazi, Assistant Professor**
  Computer Eng. Dept, Amirkabir University of Technology (Tehran Polytechnic)
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- **Ehsan Nazerfard, Assistant Professor**
  Computer Eng. Dept, Amirkabir University of Technology (Tehran Polytechnic)
  Email: nazerfard@aut.ac.ir
- **Saeed Shiry Ghidary, Assistant Professor**
  Mathematics and Computer Science, Amirkabir University of Technology (Tehran Polytechnic)
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- **Mohammad Akbari, Assistant Professor**
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