Rouzbeh Ghasemi

CONTACT INFORMATION

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RESEARCH INTEREST

- Machine Learning
- Data Mining
- Business Analytics
- Deep Learning
- Natural Language Processing
- Stock Market Prediction

EDUCATION

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran
- B.Sc. Computer Engineering Sep 2016 - Present
  - GPA: 15.34/20 $\simeq$ 3.07/4 - 129/140 credits
    GPA over the past two years: 16.45/20 $\simeq$ 3.54/4

PUBLICATIONS

- Ghasemi, R., Asli, S.A.A., Momtazi, S., 2020. Deep persian sentiment analysis: cross–lingual training for low–resource languages. journal of information science (ACCEPTED).

NOTABLE ACADEMIC PROJECTS

- **Sentiment Analysis of Hotel Reviews in Iran**
  In this research, by User reviews and comments on hotels were accommodated in hotels and traditional hotels in Iran, we will create a system that collects such comments from the web and creates classified and structured overviews of such comments and facilitates access to that information. The proposal of this project is ready to submit for Ministry of Cultural Heritage, Tourism and Handicrafts in Iran.

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 I:** 16.6/20
- **Information Security:** PASS*
- **Introduction to Bioinformatic:** PASS*
- **Principles of Compiler Design:** PASS*
- **Linear Optimization:** 17/20
- **Computer Networks:** 17/20
- **Design of Algorithms:** 17/20
- **Operating Systems:** 17.5/20
- **Management:** 20/20
- **Information Retrieval:** PASS*
- **Startup Development:** PASS*
- **Data Mining:** PASS*
- ∗ COVID-19 Semester(Grades were binary due to COVID-19)

ABROAD TEACHING EXPERIENCE

Staffordshire University, Staffordshire, United Kingdom – Teaching Assistant

- **Artificial Intelligence 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, whilst considering their application specifically to the computer games discipline. Topics will include current AI techniques, programming languages used in AI, programming AI solutions for games, navigation and motion, and neural networks. I am responsible for preparing assignments, helping students with their homework, as well as grading their projects and tasks.

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

- **Principles of Compiler Design** Instructor: Dr. Mohammadreza Razzazi (Fall 2020)
  This course was an introduction to Computer instructions. I was responsible for preparing assignments, helping students with their homework, as well as grading their projects and tasks.
- **Computer Architecture** Instructor: Dr. Hamed Farbeh (Spring 2020)
  This course was an introduction to Computer instructions. I was responsible for preparing assignments, helping students with their homework, as well as grading their projects and tasks.
- **Principles of Computer & Prog.** Instructor: Dr. Saeed Shiry Ghidary (Spring 2019)
  This course was an introduction to Coding and **held in English**. I was responsible for held classes, preparing assignments, helping students with their homework, as well as grading their projects and tasks.
- **Data Struct. & Algo.** Instructor: Dr. Mohammad Akbari (Spring 2019 & Fall 2019)
  This course was an introduction to data organization, management, and storage format that enables efficient access and modification. I was responsible for preparing assignments, helping students with their homework, as well as grading their projects and tasks.
- **Principles of Comp. & Prog.** Instructor: Dr. Saeed Shiry Ghidary (Fall 2018)
  This course was an introduction to Coding. I was responsible for held classes, preparing assignments, helping students with their homework, as well as grading their projects and tasks.

PRESENTATION

- Undergraduate Talk 2018, entitled "Principal component analysis" (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)
- **University Entrance Exam**
  Ranked in top **%3** among all students in university entrance exam (Approximately 250000 applicants) in Math. and Eng., Iran. (Jul 2016)

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

- **Persian** (Native)
- **English** (Fluent)
  - TOEFL iBT : Will Be Taken On Nov 21st
  - GRE General : Will Be Taken On Dec 28th

REFRENCES

- **Masoud Sabaei, Associate Professor**
  Computer Eng. Dept, Amirkabir University of Technology (Tehran Polytechnic)
  Email: sabaei@aut.ac.ir
- **Saeedeh Momtazi, Assistant Professor**
  Computer Eng. Dept, Amirkabir University of Technology (Tehran Polytechnic)
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- **Saeed Shiry Ghidary, Assistant Professor**
  Mathematics and Computer Science, Amirkabir University of Technology (Tehran Polytechnic)
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- **Mohammad Akbari, Assistant Professor**
  Mathematics and Computer Science, Amirkabir University of Technology (Tehran Polytechnic)
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- Others available upon request