Rouzbeh Ghasemi

CONTACT
INFORMATION

Dept. Computer Engineering
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RESEARCH INTEREST

- Machine Learning
- Data Mining
- Business Analytics
- Deep Learning
- Natural Language Processing
- Management of Innovation

EDUCATION

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

INTERNSHIP

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

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.

NOTABLE ACADEMIC
PROJECTS

- **Sentiment Analysis of Hotel Reviews in Iran**
  In this research, User reviews collected; by Ministry of Cultural Heritage, Tourism and Handicrafts in Iran, on hotels was used to create a system which does sentiment analysis and classify the reviews. The proposal is under review.

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*
- **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

- **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. I am responsible for preparing assignments.

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 am 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 Dec 19th
  - GRE General : Will Be Taken On Dec 28th

REFERENCES

- **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)
  Email: momtazi@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**
  Mathematics and Computer Science, Amirkabir University of Technology (Tehran Polytechnic)
  Email: akbari@aut.ac.ir
- Others available upon request