Rezvan Karaji | Curriculum Vitae

Amirkabir University of Technology – Department of Mathematics and Computer Science

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RESEARCH INTERESTS

- Machine Learning
- Natural Language Processing
- Bioinformatics

EDUCATION

- **Bachelor of Science**   2017–2021
  🏛 Amirkabir University of Technology (Tehran Polytechnic)   *Tehran-Iran*
  Ranked 2nd in Iran according to QS Ranking
  – Computer Science: Total 103 credits passed
    · GPA: 17.9/20 (3.78/4)

- **Highschool Diploma**   2013-2017
  ❋ Farzaneghan Kermanshah (sampad)   *Kermanshah-Iran*
  – Mathematics and Physics
    · GPA: 19.77/20

HONORS

- Ranked 4th in Computer Science, among 64 students, Amirkabir University of Technology, Tehran, Iran.
- Ranked within the top 1.3% in university entrance exam, among more than 148,000 participant. [Summer 2017]
- Granted admission from Talented Student Office of Amirkabir University of Technology for graduate study.

TEACHING EXPERIENCE

- 🏛 **Undergraduate Teaching Assistant**
  – Data Structures and Algorithms   [Fall 2019]
    · Under supervision of Dr.Mohammad Akbari.
  – Introduction to the Theory of Computation   [Fall 2019]
    · Under supervision of Dr.Fatemeh Zare Mirakabad.
  – Introduction to the Theory of Computation   [Fall 2019]
    · Under supervision of Dr.Naser Hashemi.

ACADEMIC PROJECTS

- AUT Twitter Analytics - A dashboard used to analyze tweets
  – Exploratory Data Analysis, Sentiment Analysis, Topic Detection
  Course: Social Networks Analysis by Dr.Mohammad Akbari

- Text classifier for Persian language Using Python.
  Course: Natural Language Processing (M.Sc) by Dr.Mohammad Akbari

- Persian language Model Using Python.
  Course: Natural Language Processing (M.Sc) by Dr.Mohammad Akbari

- Email Spam Detector Using Python.
  Course: Social Networks Analysis by Dr.Mohammad Akbari
- Twitter Sentiment Analyzer Using Python.
  Course: Social Networks Analysis by Dr.Mohammad Akbari
- Design and Development of an Educational Assistant Web-Application (Applicato).
  - Back-end Development using NodeJS and MongoDB.
    Course: Principles of Software Design Supervised by Dr.Amin Gheibi

LANGUAGE SKILLS

- Persian   Native
- English   Fluent
  - TOEFL iBT: 102 (Reading: 27 ,Listening: 28 ,Speaking: 24 ,Writing: 23)
- French   Beginner

COURSES

- Data Mining   [Spring 2021]
  - Grade: 20/20
- Natural Language Processing (M.Sc)   [Fall 2020]
  - Grade: 17/20
- Bioinformatics (M.Sc)   [Fall 2020]
  - Grade: 17/20
- Special Topics in Computer Science   [Fall 2020]
  - Social Networks Analysis
  - Grade: 20/20
- Artificial Intelligence   [Fall 2020]
  - Grade: 17.6/20
- Database   [Spring 2020]
  - Grade: pass (pass/fail system due to COVID-19)

- Principles of Software Design   [Spring 2020]
  - Grade: pass (pass/fail system due to COVID-19)
- Numerical Linear Algebra   [Spring 2020]
  - Grade: pass (pass/fail system due to COVID-19)
- Design and Analysis of Algorithms   [Fall 2019]
  - Grade: 16/20
- Linear Optimization   [Fall 2019]
  - Grade: 19.7/20
- Data Structures and Algorithms   [Spring 2019]
  - Grade: 19.75/20
- Advanced Programming - C++   [Fall 2018]
  - Grade: 20/20

ONLINE COURSES

- Machine Learning
- Advanced Python Programming, project based
- Deep Learning Specialization (In Progress)

COMPUTER SKILLS

- **Programming/Scripting**

  - Python
  - MySQL/PostgreSQL
  - MongoDB
  - C/C++
  - JavaScript/NodeJS
  - LaTeX

- **IDEs/Tools**

  - VSCode
  - JetBrains
  - MATLAB/Octave

❶ References, Further information, and Proofs are available upon Request