Atieh Barati Nia

Email: atiehbaratinia@gmail.com | **GitLab**: Atieh.Baratinia | **Github**: AtiehBaratinia | Tehran, Iran

EDUCATION

Bachelor of Science in Computer Science   **Sep 2017 - Apr 2022**
Amirkabir University of Technology, Tehran, Iran

GPA:
   17.89 out of 20 (WES: 3.80 out of 4)

Final Project:
   Freight Transportation Analysis System in the Central Area of Tehran (19.3 out of 20)
   Supervisor: Dr. Safabakhsh

Selected Courses Related to Artificial Intelligence:
   Algorithm Design, Principles of Computational Intelligence, Principles & Applications of Artificial Intelligence, Data Mining, Information Retrieval, Introduction to Bioinformatics, Signal & Systems

High School Diploma in Mathematics & Physics   **Sep 2013 - June 2017**
National Organization for Development of Exceptional Talents - Farzanegan 7, Tehran, Iran
   GPA: 19.30 out of 20 (WES: 4 out of 4)

RESEARCH INTERESTS

Machine Learning, Algorithms, Data Science, Data Mining

PUBLICATIONS

Bourbour, S., Khanali, K., **Barati Nia, A. (Corresponding Author)**, Najafi, A., & Motahari, SA. (2022). Modeling a Functional Form of Fundamental Diagram by Automated License Plate Readers Data: A Case Study in Tehran, Iran. *Journal of Transportation Engineering, Part A: Systems*, 149(1), 05022006.

WORK EXPERIENCE

Data Analyst   **June 2020 - Jan 2022**
Tehran Center for Urban Statistics and Observatory, Tehran, Iran
- Did some data analysis and created a report out of it
- Implemented a database of particular urban locations
- Implemented some Python programs
- Built multiple dashboards with QlikView

Android Developer - Intern   **Dec 2019 - May 2020**
RNS Team, Tehran, Iran
- Designed and developed some UI/UX features for a symptom checker Android application using Java (currently available at Cafebazzar)

SKILLS

Programming Languages: Python3, Java, Golang, C, and R
BI software: QlikView
Mobile App Development: Android (Java)
Database Systems: Microsoft SQL Server, MySQL, PostgreSQL, and MongoDB
Web Development: HTML, CSS, JavaScript
Tools: Git
Operating Systems: Windows, Linux

LANGUAGES & EXAMS

English: TOEFL iBT: 103 (R28, L28, S24, W23)   **July 2022**
           GRE General: 321 (Q: 168, V: 153, AW: 3.5)   **Sep 2022**
Persian: Native Speaker

TEACHING EXPERIENCES

Teaching Assistant   **Spring 2021**
Amirkabir University of Technology, Department of Computer Science
Course Title: Algorithm Design (Dr. Bagheri)
- Helped with the examination of homework
- Gave oral exams

Teaching Assistant   **Spring 2020**
Amirkabir University of Technology, Department of Computer Science
Course Title: Algorithm Design (Dr. Bourbour)
- Responsible for the examination of projects

Teaching Assistant   **Fall 2019**
Amirkabir University of Technology, Department of Computer Science
Course Title: Electrical and Electronic Circuits (Dr. Momtazpour)
- Helped with the examination of homework and quizzes

ACHIEVEMENTS

Ranked 593rd Place Among All Applicants in the Nationwide University   **Summer 2017**
Entrance Exam in Mathematics and Physics fields for B.Sc. Degree (nearly 150,000 applicants)

Second Place in Debate Challenging at Amirkabir University of Technology   **Spring 2018**

Admitted in the First Stage of National Competition to Select National Informatics   **Feb 2016**
Olympiad Team for High School Student's Olympiad in Iran

Admitted in the First Stage of National Competition to Select National Informatics   **Feb 2015**
Olympiad Team for High School Student's Olympiad in Iran

Admitted in the First Stage of Allameh Helli School Programming Team Competitions   **Spring 2014**

Admitted in the Entrance Exam of the High School of National Organization for   **Summer 2013**
Development of Exceptional Talents

OTHER ACHIEVEMENTS

First Place in Book Reading at the Province Level	**April 2014**
Third Place in Ping-pong with High School Team in the Regional Level	**Nov 2015**
Third Place in Ping-pong with High School Team in the Regional Level	**Nov 2014**

REFERENCES

Reza Safabakhsh, Professor
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More references are available upon request.