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Iran

Mahtab Farrokh
Undergraduate Hardware Engineering

Interests

Professional
Internet of Things, Android Programming, Graph theory
Personal
Violin, Pottery, Wood Handcraft

Education

2015 - 2019, B.Sc. in Computer Hardware Engineering
AmirKabir University of Technology (Tehran Polytechnic), Tehran, Iran
GPA(up to now): 16.5 Total Passed Credits: 33

2008 - 2015, Diploma in Physics and Mathematics Discipline
Farzanegan 1,Tehran, Iran (NODET) Attended Iran National Olympiad in Computer Focused on Combinatorics , graph theory and c++ Programming. GPA: 19.36/20

Honors and Awards

- Ranked top 0.4 % among more than 180,000 students participated in the nationwide entrance examination of undergraduate studies in Iranian universities (2015)

- Semi-finalist at National Mathematics Olympiad (March 2013)

- accepted for 2nd level of Kharazmi awards assessments(2011)

- Member of National Organization for Development of Exceptional Talents (NODET)(2007-2014)

Teaching Experience

- Teacher Assistant, Introduction to Programming, Amirkabir University of technology, Under Supervision of Prof.Bakhshi (Fall-2016)

Skills

Programming
- Python 3
- C and C++
- Java
- Verilog

Web and DB Technologies
- MySQL
- HTML(Familiar)

Operating Systems
- Linux
- Windows

Typesetting
- LaTeX
- Vim
- Microsoft Word

Others
- Qt
- IntelliJ
- Android Studio
- Eclipse
- Pycharm

Projects

- Data Structure : search engine using inverted index algorithm - Python.

- Advanced Computer Programming:

  - Implementation of a graphical game with multiplayer support and AI. Computer Player.(Strategic Game) - Java.
  - Implementation of Pacman game - Java.
  - Implementation of Arcade game - Java.

- Principles of Computer and Programming : living cell simulation - C.

- Implementation of Notepad using Qt - C++.

- Wind Tonel for Educational purpose. Test room dimention 3000 cm^3.

- Hovercraft modeling for phisics workshop.Selected for 2nd level of Kharazmi awards assessment(2011)

High Grades in undergraduate courses

- Advanced Computer Programming - Mr. Poorvatan - Spring 2016 - (18/20)

- Principles of Computer and Programming - Dr.Bakhshi - Fall 2015 -(20/20)

Extra-Curricular Activities

- Member of Execution Committee, 8th National AUT Linux Festival - Spring 2016

- Member of Execution Committee, 2nd International AUT ACM ICPC - Fall 2016

References

- Professor Bahador Bakhshi, Assistant Professor
  Computer Engineering and IT Department, Amirkabir University of Technology
  Email: bbakhshi@aut.ac.ir