Hooman Hashemi

CONTACT INFORMATION	Department of Computer Engineering Sharif University of Technology Permanent Address: 34 Ararat Avenue apt. 7, Tehran, Iran, [Postal Code: 19949-63831]	hohashemi@ce.sharif.edu +98 912 475 9082

RESEARCH INTERESTS

3D Computer Vision, Software Engineering, Machine Learning and Deep Neural Networks, DNN Applications in Text

EDUCATION

Sharif University of technology (SUT), Tehran, Iran.

B.Sc., Computer Engineering, *Software Engineering major*   *Expected: July 2017*

- GPA(up to now): **18.74/20**

Some Selected Courses

· Calculus 1 (17.9/20), Calculus 2 (19/20), Numerical Computation (19.6/20), Probability and Statistics (20/20)

· Design of Algorithms (20/20), Data structures (20/20), Theory of Languages and Automata (19/20), Theory of Computation (19.5/20), Database Design (20/20), Digital System Design (19.5/20), Artificial Intelligence (19.4/20), Signals and Systems (20/20), Introduction to 3D Computer Vision (18.7/20)

ATCCE High School, Tehran, Iran

Diploma in Mathematics and Physics Discipline   *June 2013*

HONORS AND AWARDS

- **Ranked 4th** in West Asia Regional ACM-ICPC Contest , Tehran, Iran   2014
- **Ranked 4th** in West Asia Regional ACM-ICPC Contest , Tehran, Iran   2013
- **Gold Medal** (Ranked 1st) in 22nd National Computer Olympiad   2012
  · *Iranian National Olympiad in Informatics*
- **Silver Medal** (Ranked 12th) in 21st National Computer Olympiad   2011
  · *Iranian National Olympiad in Informatics*

RESEARCH EXPERIENCES

- **Research Assistant in DREAMS lab**.   *Summer 2016*
  The Chinese University of Hong Kong
  · Worked on design of approximation algorithms for microgrids under supervision of Dr.Minghua Chen.
- **Research Assistant in ML lab**.   *April 2016*
  Sharif University of Technology
  · Worked on sequence and text learning methods and their applications under supervision of Dr.M.Soleymani.
- **Research Assistant in Graph lab**.   *Fall 2015 — Spring 2016.*
  Sharif University of Technology
  · Worked on graph problems under supervision of Prof.S.Akabari.

WORKING PAPERS

- Hoffmann-Ostenhof's conjecture for traceable cubic graphs.   *Fall 2015*
  · A joint work with S.Akbari, F.Abdolhosseini. Submitted for review

TEACHING EXPERIENCES	· Design of Algorithms Teaching Assistant *Instructor: Dr.Mohammad Abaam, CE Department, SUT*	*Fall 2015*
	· Numerical Methods Teaching Assistant *Instructor: Prof.H.Sarbazi-Azad, CE Department, SUT*	*Spring 2016*
	· Theory of Computation Teaching Assistant *Instructor: Dr.M.Izadi, CE Department, SUT*	*Spring 2016*

PROFESSIONAL EXPERIENCE	• Researcher and Developer in SUT Big Data Work Group	*Summer 2015*
	• Software Developer at Rahnama Co (Beep) , Tehran, Iran,	*Summer 2014*

PROJECTS	• Light up · Light up is a mobile game that was published on the app store · Reached top ten between complete-projects on Unity Asset Store.	*2014*
	• LOJS · LOJS is a Light weight judging system implemented and used to conduct friendly training contests before 22nd INOI.	*2012*

SELF STUDY	General Topics in Machine Learning • General Concepts · Coursera ML course by Prof. Andrew Ng • Deep Neural Networks And Sequence Learning Methods

TECHNICAL SKILLS	• ML and DNN tools and languages · Skilled: Keras. · Familiar: Theano. • Programing Languages · Expert: C++ and C, Java, Web languages · Skilled: Python · Familiar: Objective C • Tools and Other Languages: Unity, OpenGL, GLSL, MATLAB • Mobile Developing and Design · Android · Familiar: IOS • Web: jQuery, Angular, Django, React etc.

LANGUAGES	– Persian: Native – English: Fluent • TOEFL® iBT: 99 (Reading: 29, Listening: 28, Speaking: 20, Writing: 22) • GRE® revised general test: (Verbal: NS, Quantitative: 168, Writing: NS) *November 2016* • GRE® revised general test: (Verbal: 148, Quantitative: 163, Writing: 3) *October 2016*

REFERENCES   Refrences are provided via hyperlinks. More information is available upon request