Amirhossein Shirzad

Personal Data

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Research interests

- Virtual and Augmented Reality
- Machine Learning / Deep Learning
- Artificial Intelligence
- Mobile Applications
- Game Development
- Image Processing

Education

2020- Current **Ph.D. in Artificial intelligence**, *National University of Ireland Galway*
Galway, Ireland
Supervisor: Dr. Colm O'Riordan

2016-2020 **M.Sc. in Information Technology – Multimedia Systems**, *University of Tehran*, Tehran, Iran
Thesis: "Deep learning approach for image and text sentiment analysis"
Abstract: We propose a multimodal sentiment analysis model to determine the sentiment score for any incoming tweet, i.e., image, text , GIFs and memes.
Supervisors: Dr.Hadi Zare, Dr.Mehdi Teimouri
GPA: 17.00/20

2008-2013 **B.Sc. in Computer Science**, *University of Tehran*, Tehran, Iran
Thesis: "E-voting system for Iranian Parliament"
Supervisor: Dr.Marzieh Asna Ashari
GPA: 14.39/20

Work Experience

2017-2020 **Software developer**, *Center for IT and Cyberspace*, University of Tehran
- Designing and developing Android application for official mobile app for University of Tehran, using Java and Kotlin.
- Designing REST APIs and PostgreSQL database for official mobile app for University of Tehran , using Django.

2014-2017 **Mobile application developer**, *Raadwin Co*
- *UT App:* Official mobile app for University of Tehran ⬀
- *UT Monitor:* An application for monitoring servers' status in University of Tehran
- *Football Sticker:* An entertaining application for taking photos using stickers ⬀
- *Internal Auditing:* The first professional application in Iran incorporating numinous auditing materials. ⬀
- *YaadYaar:* An event organizer and reminder android application ⬀
- *Mr.Albaloo:* A multi-player word puzzle game developed for Android ⬀

2013-2014 **Software developer**, *PulseWare*
- Programmed and maintained automated data miner for ATM monitoring software using C#, ASP.NET, and SQL Server

Selective Courses

Graduate:	Animation and 3D Animation, User Interface Design, Multimedia Systems, Advanced Computer Graphics, Software Development Management, Digital Image Processing
Undergraduate:	Numerical Linear Algebra, Algorithms Design, Fundamentals of Software Design, Mathematics for Computer Science, Cryptography, Artificial Intelligence, Theory of Computation

Honors and Awards

2018	**Ranked 2nd** among all graduate IT-Multimedia systems students of class 2015 at University of Tehran
2017	Awarded top student project for **UT App**, *2nd Annual meeting for introducing latest IT achievements*, University of Tehran.
2016	**Ranked 1st**, *3rd Fanavard Nationwide Competition in Open-source intelligence (OSINT)*, Sharif University of Technology, Tehran.

Representative Course Projects

2016	*A 360°image viewer of Iran tourist attractions using Unity and Google cardboard* University of Tehran | Supervisor: Dr.Hamid Reza Ahmadi
2016	*Implementing solar system using C++ and OpenGL* University of Tehran | Supervisor: Dr.Nadian Ghomshe
2011	*Creating a 3D model of the computer science department using Google SeketchUp* University of Tehran | Supervisor: Dr.Ganjtabesh
2011	*Art store management software* University of Tehran | Supervisor: Mr.Naghib Zadeh Mashyekh
2010	*Linux text editor using Assembly language* University of Tehran | Supervisor: Dr.Ganjtabesh

Affiliations, Memberships

2017-2020	Head of Mobile App Development Team, *Center for IT and Cyberspace,* University of Tehran
2017-*Present*	Member of the Mobile Committee, *Center for IT and Cyberspace,* University of Tehran

Computer Skills

Languages:	Python, Java, Kotlin, C#, MATLAB
Software and Tools:	Android Studio, PyCharm, Unity, LaTeX, Microsoft Office
Operating Systems:	Windows, Unix/Linux

Languages

English:	**TOEFL iBT:** 106/120 (R: 30, L: 28, S: 22, W: 26)
	GRE: 309 (V: 149, Q: 157, W: 3)
Persian:	Native

Interests and Activities

Sports:	Soccer, Swimming
Leisure:	Reading, Playing Video Games