

Mohammad Ebrahim Adibzadeh

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CONTACT INFORMATION

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RESEARCH INTERESTS

- Software Defined Networking
- Internet of Things
- Operating Systems
- Wireless Sensor Networks

EDUCATION

Amirkabir University of Technology(Tehran Polytechnic), Tehran, Iran

B.Sc., Computer Engineering

Sep. 2018 - Present

GPA: 17.44/20 ($\approx 3.70/4$) — Passed Units: 131/140 credits

Helli1 High School, Tehran, Iran

Diploma, Mathematics and Physics Discipline

Sep. 2014 - Jun. 2018

National Organization for Development of Exceptional Talents (NODET)

GPA: 19.54/20

RELATED COURSES

- Computer Networks (20/20)
- Internet of Things (20/20)
- Web Programming (20/20)
- Information Security (17.5/20)
- Data Communications (17.75/20)
- Operating Systems (18.89/20)
- Principals of Cloud Computing (20/20)

TECHNICAL SKILLS

- **Programming Languages:**
Go, Python, Java, C#, C
- **Scripting:**
Bash
- **Web Development:**
Javascript, HTML, CSS
- **Operating Systems:**
Linux, Windows, ROS
- **Database:**
MongoDB, MySQL, SQLite
- Familiar: Elasticsearch, Redis
- **Tools/Frameworks:**
Docker, Wireshark, Postman, vBoxManage, GitLab CI/CD
- Familiar: GNS3, Mininet, Apache Hadoop, Jenkins
- **Game Engines:**
Unity, Corona
- **Text-setting:**
L^AT_EX, MS Word

TEACHING EXPERIENCE

Teaching Assistant, Amirkabir University of Technology

Computer Networks, Dr. Masoud Sabaei

Spring 2021, Fall 2021

Computer Networks, Dr. Pooya Hejazi

Spring 2021

Data Structures and Algorithms, Dr. Alireza Bagheri

Fall 2020

Data Structures and Algorithms, Dr. Hamid Hoorfar

Fall 2020

Advanced Programming, Dr. Ehsan Edalat

Spring 2020

CERTIFICATIONS

- **Artificial Intelligence in Medicine, Applications and Limitations**
Amirkabir Artificial Intelligence Summer Summit [[certificate](#)]
- **Dive into Deep Learning**
Amirkabir Artificial Intelligence Summer Summit [[certificate](#)]
- **Speak Recognition Systems**
Amirkabir Artificial Intelligence Summer Summit [[certificate](#)]

WORK EXPERIENCE

Digikala, Product Manager

July 2021 - Present

Coordinated various tech and business projects such as designing a logistics as a service system, dynamic shipping cost engines, rewriting legacy code on service oriented architecture, etc. Digikala is the biggest e-commerce platform in the Middle East.

	Quiz of Kings, Client Side Developer July 2019 - April 2021 Migrated legacy code from Corona engine to Unity engine with a new system design in a team. In addition, built a CI/CD pipeline on Gitlab for Unity builds. Quiz of Kings is a game studio both working as a publisher and a producer, having the most popular game in Iran.
NOTABLE PROJECTS	ROS GMapping, VFH June 2022 A project in ROS which is consisted of 2 parts. First, creating a map using robot's Lidar and Gmapping . Second, heading towards a point using VFH(Vector Field Histogram) method for obstacle avoidance and finding the way.
	LoadBalancer July 2021 A script for checking the availability of docker containers and dividing tasks between containers. In addition, a docker image is created having various functionalities for working with words and numbers like "wordcount", "min/max", "average", and "sort".
	VirtualBox-Manager Apr. 2021 An http server and a VirtualBox wrapper for managing vms remotely by http requests. Some of the available actions are "clone", "delete", "on/off", "upload file", "transfer file", etc.
	WirePenguin Jan. 2021 A CLI packet sniffer for capturing packets both live or offline from .pcap files(The required layers/protocols can be specified).
	Gossenger Nov. 2020 A TCP client-server chat application for messaging, sending files, creating groups, etc.
	Arch-Linux ISO Image Oct. 2018 - Nov. 2018 An Arch-based ISO image built for AUT-ICPC competitions of 2019, having required IDEAs and programming languages inside it. Arch-Linux was used due to memory limitations in university PCs. It was configured to only have what was purposely required thus it allocated less memory when booted live.
HONORS AND AWARDS	<ul style="list-style-type: none"> Ranked in top 0.002% among all students in university entrance exam (181 between approximately 145000 applicants) in Math. and Physics., Iran, 2018 Participated in the Global Game Jam 2020 competitions as a member of a 6 persons team developing "Repair Ship" game using Unity and C#.
ADDITIONAL ACTIVITIES	<ul style="list-style-type: none"> Head of management of Gamecraft event Jan. 2019 - Apr. 2020 Held Gamecraft event for the first time. It was consisted of 8 talks, 4 workshops, and a contest at the end. More than 500 contestants participated in the event. Member of technical team of AUT-ICPC, Nov. 2019, Nov. 2020 Prepared an ISO image and PXE boot for onsite computers. In addition, provided technical support during the contest in case of computer crashes, errors, etc.
LANGUAGES	Persian: Native English: TOEFL Mock Test 102/120