

HAMID FAZLI KHOJIR

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SUMMARY

- Graduated with a **Computer Engineering Bachelor's degree** from the **University of Tehran**
- **Experience** of contributing different types of projects, both academic and industrial
- Self-motivated, problem-solving, positive-attitude, **self-learning**, and collaborative personality type

EDUCATION

- B.Sc, Computer Engineering, University of Tehran, Iran, 2020.
Last Two Year GPA: 3.94/4 and 18.81/20
Four Year GPA: 3.66/4 and 17.62/20
Final Project: Autonomous Driving Using the Carla Simulator

RESEARCH INTEREST

- Artificial Intelligence/Machine Learning/Deep Learning
- Natural Language Processing/Computer Vision
- Software Engineering/Design and Architecture/Verification, Validation, and Testing
- Algorithms/Programming Languages

TEACHING EXPERIENCE

- Winter 2020 - Teaching Assistant - **Design and Analysis of Algorithms** - Designing and grading assignments and projects - Dr. Fatemeh Sadat Lesani
- Fall 2020 - Teaching Assistant - **Principles of Computer and Programming** - Holding classes, designing assignments and projects - Dr. Kazim Fouladi
- Fall 2020 - Lecture - Up and Running with Spring Framework - Faculty of Engineering
- Fall 2019 - Teaching Assistant - **Data Structures** - Designing assignments - Dr. Zahra Movahedi
- Winter 2018 - Teaching Assistant - **Advanced Programming** - Holding classes, designing and grading assignments and projects - Dr. Zahra Movahedi
- Fall 2019 - Lecture - Up and Running with Docker - Faculty of Engineering
- Fall 2018 - Teaching Assistant - **Principles of Computer and Programming** - Holding classes, designing assignments and projects - Dr. Amir Hosein Keyhanipour
- Winter 2017 - Teaching Assistant - **Data Structures** - Holding classes, grading assignments and projects - Dr. Hosein Rezaie

ACADEMIC EXPERIENCE

- **Autonomous Driving Using the Carla Simulator - University of Tehran**
 - **Type:** Academic - Bachelor's degree final project
 - **Final Score:** 19.0/20
 - **Tech Stack:**

* Python	* Pandas	* LaTeX
* Scikit-learn	* Numpy	
* Tensorflow/Keras	* OpenCV	
 - **Activities:**
 - * Doing research to evaluate and compare different simulators
 - * Doing research about the design and architecture of the Carla simulator
 - * Contributing to the Carla's open issues on Github
 - * Using image processing for lane-detection
 - * Using both rule-based, and supervised learning (CNN) algorithms for lane-keeping
 - * Creating both video-based and text-based documentation
 - * Auditing the University of Toronto's autonomous driving specialization
 - * Auditing building AI applications with Watson APIs course
- **Image-Based Social Media - Rahnema**
 - **Type:** Academic - Internship
 - **Activities:**
 - * Get admission among the top 3% of more than one thousand students who requested for the internship program
 - * Among the 60% of students who could complete this internship successfully
 - * Preparing servers and developing the core of project as a back-end developer
 - * Getting familiar with UI/UX concepts in a workshop
 - * Getting familiar with the Scrum methodology in a workshop
 - * Getting familiar with Communication Rules in a workshop
- **Project and Team Management - University of Tehran**

- **Type:** Academic - Final project of internet engineering course
- **Final Score:** 20/20
- **Role:** Team leader
- **Responsibilities:**
 - * Design and analysis of the requested system
 - * Planning
 - * Assigning tasks to developers
 - * Code review

- **Community Detection - University of Tehran**

- **Type:** Academic - Final project of big data course
- **Final Score:** 19.25/20
- **Tech Stack:**
 - * Python
 - * Apache Hadoop
- **Activities:**
 - * Implementation of different map-reduce problems using Apache Hadoop
 - * Implementation of "Overlapping community detection at scale: A nonnegative matrix factorization approach" article

WORK EXPERIENCE

- **Wina - Privileged Access Management - Mahsan**

- **Type:** Industrial
- **Date:** February 2020 - Present
- **Team Size:** near 10 people
- **Tech Stack:**

* Java	* Tomcat/Wildfly	* Docker
* Spring framework	* Active Directory/Open Ldap	* Git
* Hibernate	* Elasticsearch/Logstash/Kibana	* LaTeX
* Junit/Mockito/Powermock	* PostgreSQL	
* Apache Guacamole	* ActiveMQ	
- **Role:** Software Engineer
- **Responsibilities:**
 - * Developing new features/Finding solutions for client requirements
 - * Reviewing teammates' code
 - * Finding and fixing bugs through different types of testing
 - * Increasing code quality and test coverage
 - * Writing technical and non-technical documents

- **Tiyam - Large Scale Network Monitoring - Mahsan**

- **Type:** Industrial
- **Date:** March 2019 - February 2020
- **Team Size:** near 7 people
- **Tech Stack:**

* Java	* OpenNMS	* Apache Kafka
* Spring framework	* Tomcat/Wildfly	* Git
* Hibernate	* PostgreSQL	
* Junit/Mockito	* Apache Cassandra	
- **Role:** Software Engineer
- **Responsibilities:**
 - * Developing new features/Finding solutions for client requirements
 - * Reviewing teammates' code
 - * Finding and fixing bugs through different types of testing
 - * Increasing code quality and test coverage
 - * Writing technical and non-technical documents

HONORS AND AWARDS

- **Direct admission and tuition waive** for exceptional talents from **Shahid Beheshti University** to study **M.Sc** - Spring 2020
- **Ranked among the top 15 percent** of computer science students in 2016
- **First rank** in these courses:

- Information Technology Projects Management,
- Operating Systems Laboratory,
- Digital Logic Circuits and Computer
- Architecture Laboratory
- Internet Engineering
- Big Data
- Foundations of Speech and Language Processing
- Foundations of Computational Intelligence
- Microprocessors and Assembly Language
- Software Engineering
- Design and Analysis of Algorithms
- Systems Analysis and Design
- Fundamentals of Computer and Programming

Among the top 3 class's students in these course:

- Computer-Aided Digital System Design
- Microprocessor Laboratory
- Design of Programming Languages
- Artificial Intelligence and Expert Systems
- The Theory of Formal Languages and Automata
- Operating Systems
- Data Structures
- and Advanced Programming

- Member of **computer engineering scientific association** - 2019
- **Staff member** of Ebnsina National Programming contest held in University of Tehran - Winter 2018
- Accepted in first stage of **The 2016 ACM-ICPC Asia Tehran Regional Contest** - Fall 2016
- **Admission and tuition waive** from **University of Tehran** for bachelor degree - Fall 2016
- Ranked within the top 3% among more than 162,000 participants in Iranian University Entrance Exam
- Graduated at **National Organization for Development of Exceptional Talents** for both secondary and high school - Spring 2016

SKILLS

- **Programming/Problem Solving/Algorithms/Data Structures/Software Engineering**
- **Artificial Intelligence/Machine Learning/Deep Learning**
- **Teaching/Leadership**
- **Language**
 - Persian: Native
 - English: I'm preparing for the TOEFL exam. I registered for November 29, 2020.

HOBBIES

- Call of Duty: Modern Warfare! The most amazing game that I have ever played in my entire life.
- Thinking and writing. It's interesting for me to sit somewhere and think deeply about something. Also, I like writing my thoughts.
- The Soccer! Instead of watching soccer, I prefer to play it.
- The Kick-Boxing! I got my black-belt when I was 15 years old. Moreover, I got an invitation to join the national team.
- Watching movies and animations.
- Reading books and listening to podcasts related to my career, psychology, sociology, humanity, etc.
- Traveling. I really enjoy visiting new places that I have never been there before.