

AHMAD MAHMOODIAN DARVISHANI

+98 913 287 8536 | ahmadmahmoodiandarvishani@gmail.com
[linkedin.com/in/ahmadrv](https://www.linkedin.com/in/ahmadrv) | github.com/ahmadrv

EDUCATION

Master of Science <i>Computer Science</i> Institute for Advanced Studies in Basic Sciences (IASBS)	Jan. 2022 – Dec. 2024 Zanjan, Iran
Bachelor of Science <i>Software Engineering</i> University of Isfahan	Oct. 2016 – Sept. 2021 Isfahan, Iran

WORK EXPERIENCE

Research Assistant Benchmarking Quantum Simulators <ul style="list-style-type: none">Studying and benchmarking some current simulators according to their user-friendliness and ability to run on personal computers under the supervision of <u>Assoc Prof. Ali Ebneenasir</u>	June 2022 – Nov. 2024 IASBS . Hybrid
Server Admin Virtual Computational Servers with Docker <ul style="list-style-type: none">Development of a very simple infrastructure for better serving the faculty's computing server using Docker	June 2023 – Sept. 2024 IASBS . Hybrid
Junior Data Scientist Software Development <ul style="list-style-type: none">Studying and experimenting state-of-the-art deep learning models for analyzing and classifying ECG medical signalsDevelop ML pipelines	Sept. 2021 – Jan. 2022 AIMedic
Machine Learning Intern Software Development <ul style="list-style-type: none">Analyzing cutting-edge deep learning models from scientific literature to classify medical images of skin cancer, with a focus on tasks related to melanoma detection.	July 2021 – Sept. 2022 AIMedic

PROJECTS AND RESEARCH

Quantum Circuit Simulator Benchmark Tool <i>Python, Git, Qiskit, Cirq</i> IASBS	Fall 2024
Dynamic Form Generation <i>Django, Git, Redis, Docker</i> Quera	Summer 2024

HONORS AND AWARDS

FIRA RoboWorld Cup Achieved 4th place in the RoboSot Race Robotics Championship	Summer 2019
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TEACHING EXPERIENCE

Teaching Assistant

Apr. 2024 – July 2024

Advanced Software Engineering

IASBS

- Design the course plan with a focus on IoT specifications
- Conducting review and problem-solving sessions
- Correcting and checking the homeworks
- Conducting and marking exams

Teaching Assistant

Apr. 2024 – July 2024

Probabilistic Graphical Models

IASBS

- Conducting review and problem-solving sessions
- Correcting and checking the homeworks
- Conducting and marking exams

Teaching Assistant

Sept. 2022 – Dec. 2022

Python Programming for Use in AI

IASBS

- Conducting review and problem-solving sessions
- Correcting and checking the homeworks with automated grading system
- Conducting and marking exams

Teaching Fellow

Oct. 2019 – Mar. 2020

Image Processing

IranOpen

- Instructing high school students on image processing using embedded device platforms like OpenMV, in preparation for the IranOpen Robotic Competition.

COMMUNITY INVOLVEMENT

Voluntary Teaching

Spring 2019

Free tutoring for local students in physics and mathematics

Shahr-e-Kord, Iran

SKILLS

Languages: Persian (Native), English (C1)

Programming: Python (Qiskit, Cirq, TensorFlow, Django), Git, Docker

Document Creation: \LaTeX , Markdown

Task Management: Plane, Jira

HOBBIES

Stargazing, Driving, Teaching, Philosophical Discussion, Gardening, Cooking