Arezoo Alipanah

arezooaalipanah.github.io

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+98-9144549503
LinkedIn

Research Interests

Reinforcement Learning, Deep Learning, AI, Robotics, Human-Robot Interaction

Education

K. N. Toosi University of Technology **Sep 2019 -Jan 2022 [expected]**
M.Sc. in Mechanical Engineering, Dynamics and Control
Overall GPA: 17.87/20
Thesis:

Shahid Beheshti University **Sep 2015 - Oct 2019**
B.Sc. in Mechanical Engineering
Overall GPA: 17.58/20
Thesis:

Farzanegan High School, National Organization for Development of Exceptional Talents (NODET) **May 2011 -May 2015**
Diploma in Mathematics and Physics
Total GPA: 19.49/20

Experiences

Research Assistant **Feb 2020 - Jan 2022**
Advanced Robotics and Automated Systems (ARAS) Laboratory
Prof. S.A.A. Moosavian
Thesis:

Teaching Assistant **Oct 2020 - Jul 2021**
Teaching assistant of *Control in Robotics*, Prof. S. A. A. Moosavian
Teaching assistant of *Dynamics*, Prof. S. A. A. Moosavian
Teaching assistant of *Advanced Engineering Mathematics*, Dr. S. H. Sadati

Section Leader, Code in Place **April - May 2021**
Member of the teaching team for Code In Place, Stanford University
(This online course was offered by Stanford University during the COVID-19 pandemic. It brought together 12,000 students and 1100 volunteer teachers participating from around the world. The course is a 6-week introduction to Python programming using materials from the first half of Stanford's CS106A course. As a volunteer section leader, I prepared and taught a weekly discussion section of 8-10 students to supplement professors' lectures.)

Summer Intern **April - May 2021**
Social & Cognitive Research Robotics Laboratory, Sharif University of Technology
Dr. V. Fakhari

Selected Honors & Awards

Ranked 1st out of students of Control Systems in MSc degree (Department of Mechanical Engineering, KNTU)
Exempted from the entrance examination and tuition to pursue graduate studies at the K. N. Toosi University of Technology (in recognition of excellent academic performance).
Ranked 5th among students of Mechanical Engineering in BSc Degree (Department of electrical engineering, SBU)
Ranked 1092nd among nearly 400,000 participants in the nationwide entrance exam for universities, 2014.

Selected Projects

Felan ,Pythonn, Maktabkhoone
Explain:
Felon 2 ,ROS, Maktabkhoone
Explain:
DeepLearning Corsera
Explain:
Parallel robots,Prof. Taghirad
Explain:
Control in Robotic, Prof. Moosavian
Exp
Machine Learning, Prof: Dr. Nasersharif
Exp
Fuzzy Projec

Skills & Expertise

Python, MATLAB, JavaScript
Latex, Microsoft Word, Microsoft PowerPoint, Photoshop, HTML, CSS
SOLIDWORKS, LabVIEW,
ROS, Gazebo, Tensor Flow,
Git, Shell? , Unix

Publications

Tavakoli E, Ibrahimi F, Alipanah A, Delrobaei M. A Novel Intelligent Parallel Parking System Based on Fuzzy Logic Without Using Sensor. In2020 6th Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS) 2020 Dec 23 (pp. 1-5). IEEE.

Kouzehkanan ZM, Tavakoli E, Alipanah A. Easy-GT: Open-Source Software to Facilitate Making the Ground Truth for White Blood Cells Nucleus. arXiv preprint arXiv:2101.11654. 2021 Jan 27.

Languages

English:
TOEFL (Nov. 2018): 99/120
Reading (24/30), Listening (28/30), Speaking (27/30), Writing(21/30)
GRE (Dec 2018): 317
Verbal (152/170), Quantitative (165/170)
French: Elementary

Hobbies & Other Activities

Reading Books, Review books on request (Goodreads)
Professional Mountain Climbing(IRRM federation)

References

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S. Hossein Sadati
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