

M. SINA ALLAHKARAM

Computer Vision Expert
Full stack Programmer
Roboticists



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PROFILE

As an expert Python programmer who has more than 6 years of experience working on various Computer Vision tasks and web /desktop applications development, Now I'm ready to utilize my experiences in your team and projects.

LANGUAGES



Persian
Native



English
Fluent

Skills

Python



C & C++



Linux



JavaScript



EDUCATIONAL BACKGROUND

K. N. Toosi University of Technology

Master's degree
Mechatronics, Engineering
2019-2023

K. N. Toosi University of Technology

Bachelor's degree:
Electrical and Electronics Engineering
2014-2019

FRAMEWORKS & LIBRARIES



PUBLICATIONS <https://scholar.google.com/citations?user=ejhATTMAAAAJ&hl=en>

- ARAS-Farabi Experimental Framework for Skill Assessment in Capsulorhexis Surgery ([Link](#))
- Surgical Instrument Tracking for Capsulorhexis Eye Surgery Based on Siamese Networks ([Link](#))
- Closed-form Inverse kinematics Equations of a Robotic Finger Mechanism ([Link](#))
- RoboCup rescue 2017 team description paper KN2C ([link](#))



EXPERINCES



- Computer Vision Researcher in [ARAS Lab.](#) (2018-2023)



- Full Stack Developer in IT Team of [ICRoM](#) Conference (2018-2023)



- COO and software-hardware designer in Rahbin Sanat Nasir Company (2022-2023)



- hardware developer Ride-On company (2017-2018)



- Team Leader, Software-Hardware developer in KN2C Robotic Team (2014-2018)



NOTABLE PROJECTS

Deep Learning Framework for Human Parsing Task



<https://github.com/msinamsina/AdelaiDet-M>



PyAutoMail: A Python Package For Large Scale Email Automation



<https://github.com/msinamsina/pyautomail>
<https://pyautomail.readthedocs.io/en/latest/>



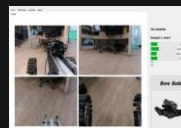
ESEL: Eye Surgery Evaluation and Labelling



PCH: A Web Application For Evaluating the Papers in ICRoM Conference



GUI For Tele-Operating of UGV Robot



ACHIVMENTS

Third place in RoboCup Asia-Pacific
Rescue robot league 2018

Third place in Iran Open Rescue
robot league 2017, 2018

Second place ICRoM Creative
Exhibition 2016

Fifth place in RoboCup Rescue
robot league 2017

TEACHING EXPERINCES

Computer Vision And Deep
Learning Course in ARAS Academy

Teacher Assistance in Robotics
Course

Teacher Assistance in Micro
Controller Course

