Contact

www.linkedin.com/in/mojtaba-shahabi-55400a86 (LinkedIn)

Top Skills

Microsoft Office

AutoCAD

Matlab

Languages

English (Professional Working)

Persian (Native or Bilingual)

Certifications

US Regional NSF I-Corps

Publications

"Urban traffic management using remote sensing data", Journal of FAZA, Volume 4 (33), 54-67

Shahabi, M., Mohamadzade, A., Valadanzoj, M. J. (2008) "Design Neural Network Based On Edge Detection", In Proceedings of National Cartographic Center Annual Conference (Geomatics 87), Tehran, Iran

Identifying the driving factors of water quality in a sub-watershed of the Republican River basin, Kansas USA

Combining deep learning and fluorescence imaging to automatically identify fecal contamination on meat carcasses

Mojtaba Shahabi

Computer Vision Engineer | Software Engineer | Machine Learning | Remote Sensing

Grand Forks, North Dakota, United States

Summary

I have a Master's degree in Computer Science and a strong background in Computer Vision, Image Processing, Machine Learning, and Software Engineering, I am pursuing to apply my educational foundation along with remarkable technical and programming skills in Computer Vision and Machine Learning.
Programming: Python (NumPy/OpenCV/Open3D/scikit-learn/pandas), TensorFlow, Keras, MATLAB, JavaScript, MySQL, git and Github, HTML and CSS
Programing (Basic): Java, C++, PyTorch, R
Technical/Programmatic: Image Processing, Remote Sensing, GIS, Optics, 3D reconstruction, Camera ISP pipelines, Statistic, Data Structure, Big Data, Machine Learning, AI, Deep Learning, CNN, Teamwork, Algorithm, Problem-solving, Developing Software Systems

Experience

Corning Incorporated
Computer Vision Engineer
September 2022 - Present (8 months)
Corning, New York, United States

SafetySpect, Inc
3D Image Processing and Machine Learning Engineer Intern
June 2022 - August 2022 (3 months)
Grand Forks, North Dakota, United States

Developing Computer Vision solutions involving hardware and software requirements for a 3D multi-modular medical imaging device. Applied visible and thermal image acquisition and analysis for camera calibration and 3D reconstruction

University of North Dakota

5 years 9 months

Graduate Research Assistant
December 2016 - August 2022 (5 years 9 months)

Graduate Teaching Assistant
August 2020 - December 2021 (1 year 5 months)
Grand Forks, North Dakota, United States

Supervised students' laboratory works, homework assignments, and handouts for:
CSCI 435. Formal Languages and Automata
CSCI 364. Concurrent and Distributed Programming (Java, C++, HPC, CUDA)
CSCI 160 and 162. Computer Science I and II (Python)
CSCI 110. Introduction to Computer Science (HTML, CSS, Python)

National Science Foundation (NSF)
Medical I-Corps Jumpstart: Technology Commercialization Workshop
October 2021 - November 2021 (2 months)
United States

Khaje Nasir Toosi (K. N. Toosi) University of Technology
Student
2007 - 2010 (3 years)

Informal settlements study

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Education

University of North Dakota
Master of Science - MS, Computer Science · (August 2020 - May 2022)

University of North Dakota
Master of Science - MS, Earth System Sciences & Policy · (2017 - 2020)

K.N. Toosi, university of technology, Tehran, Iran
Master of Science - MS, Remote Sensing · (2007 - 2010)

Zanjan University
Bachelor's degree, Surveying Engineering · (2002 - 2007)