

# M O H A M M A D I J O O A B O L F A Z L

## WORK EXPERIENCE

---

PERIOD	<b>July 2013 — Present</b>	
EMPLOYER	<b>Self-Employed</b>	Tehran, IRAN
JOB TITLE	<b>Programmer, Data Scientist, Machine Learning Expert</b>	
	I have done more than 100 projects for companies and individuals in the fields of Data Science, Machine Learning, DevOps, and Software / Web Development. Furthermore, I have taught many lectures on the above topics for institutions and individuals, and I have an online shop where I sell my video lectures.	
PERIOD	<b>January 2011 — August 2011 (Full Time)</b>	
EMPLOYER	<b>Worcester Polytechnic Institute</b>	Worcester, MA, USA
JOB TITLE	<b>Research Assistant</b>	
	I worked as a Research Assistant at WPI and due to research incompatibility I quit my Ph.D. I have lived for two and half years in the USA and participated in some small projects in the field of Mechanical Engineering. I also have nine certifications in industrial automation from the FESTO company.	
PERIOD	<b>July 2007 — August 2010 (Part Time)</b>	
EMPLOYER	<b>Sharif University Of Technology</b>	Tehran, IRAN
JOB TITLE	<b>Project Manager</b>	
	I worked as Project Manager in a team of 12 graduate and undergraduate students and university staff. We have manufactured a laboratory autonomous underwater robot and developed software for its control and monitoring.	

## EDUCATION

---

PERIOD	<b>January 2011 — August 2011</b>	
DEGREE	<b>PhD Candidate in Mechanical Engineering (not finished)</b>	
UNIVERSITY	<b>WPI</b>	Worcester, MA, USA
PERIOD	<b>January 2007 — February 2010</b>	
DEGREE	<b>Master of Science in Mechanical Engineering</b>	
UNIVERSITY	<b>IRAN University of Science and Technology</b>	Tehran, IRAN
PERIOD	<b>September 2002 — September 2007</b>	
DEGREE	<b>Bachelor of Science in Mechanical Engineering</b>	
UNIVERSITY	<b>Sharif University of Technology</b>	Tehran, IRAN

## SKILLS

---

<b>Programming Languages</b>	C, C++, C#, Python, Java, Go, Scala, Ruby, Julia, Rust, Perl
<b>Data Science</b>	Statistics, Data Mining, R, ggplot, Numpy, SciPy, Matplotlib, Pandas
<b>Data Engineering</b>	SPSS, Minitab, Stata, Tableau, Power BI
<b>Artificial Intelligence</b>	Neural Networks, Deep Learning, Computer Vision, Natural Language Processing
<b>Machine Learning</b>	Linear Algebra, Scikit-Learn, TensorFlow, PyTorch, OpenCV, NLTK, Bertopic
<b>Big Data</b>	Hadoop, Hive, Spark, Flink, Kafka, Databricks
<b>UI Design</b>	WPF, XAML, C++ Qt, PyQt, wxPython, PySide, JavaFX
<b>Frontend</b>	HTML, CSS, Bootstrap, SASS, React.js, Three.js, Next.js
<b>Backend</b>	PHP, JavaScript, jQuery, Ajax, WordPress, Django, Flask, Node.js, ASP.Net, API
<b>Databases</b>	MySQL, SQLite, PostgreSQL, Microsoft SQL, MongoDB
<b>DevOps</b>	Git, Docker, Selenium, Robot Framework, Kubernetes, Jenkins
<b>Software</b>	Matlab, Simulink, Mathematica, LaTeX
<b>Project Management</b>	PMBOK, Microsoft Project, Agile, Trello, Jira
<b>System Administration</b>	PowerShell, Linux Bash Script

## PUBLICATIONS

---

Mohammadijoo, A. "Trajectory Tracking of a 2-Link Mobile Manipulator Using Sliding Mode Control Method". *World Academy of Science, Engineering and Technology, International Journal of Mechanical and Mechatronics Engineering*. Vol:17, No:5, 2023

## HONORS AND AWARDS

---

**Best Paper Award** for paper "Trajectory Tracking of a 2-Link Mobile Manipulator Using Sliding Mode Control Method" at *Robotics and Autonomy Conference*, May 2023 in Amsterdam, Netherlands.  
**Award-Winning Member** for Activities in Marine Engineering Industry at *The 10th National Conference of Iranian Maritime Industries*, 28-30 October 2008 in Abadan / KhoramShahr, IRAN.

## WEBSITES

---

<b>Portfolio</b>	<a href="https://mohammadijoo.ir/en">https://mohammadijoo.ir/en</a>
<b>Youtube</b>	<a href="https://www.youtube.com/@abolfazlmohammadijoo">https://www.youtube.com/@abolfazlmohammadijoo</a>
<b>Github</b>	<a href="https://github.com/mohammadijoo">https://github.com/mohammadijoo</a>
<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?user=lre83n8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=lre83n8AAAAJ&amp;hl=en</a>
<b>ResearchGate</b>	<a href="https://www.researchgate.net/profile/Abolfazl-Mohammadijoo">https://www.researchgate.net/profile/Abolfazl-Mohammadijoo</a>
<b>Academia</b>	<a href="https://sharif.academia.edu/AbolfazlMohammadijoo">https://sharif.academia.edu/AbolfazlMohammadijoo</a>
<b>StackOverFlow</b>	<a href="https://stackoverflow.com/users/12603692/abolfazl-mohammadijoo">https://stackoverflow.com/users/12603692/abolfazl-mohammadijoo</a>
<b>Blog</b>	<a href="https://mohammadijoo.ir/en/blog">https://mohammadijoo.ir/en/blog</a>
<b>Knowledge</b>	<a href="https://mohammadijoo.ir/en/Courses">https://mohammadijoo.ir/en/Courses</a>
<b>Skills</b>	<a href="https://mohammadijoo.ir/en/resume">https://mohammadijoo.ir/en/resume</a>
<b>Academic Email</b>	<a href="mailto:abolfazl.mohamadijoo@alum.sharif.edu">abolfazl.mohamadijoo@alum.sharif.edu</a>