



Sina Mehdipoor Omrani

Software Developer • Computer Hobbyist




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A software developer with over ten years of experience in different fields, from designing and implementing control algorithms in robotics and ARM microprocessor programming to Full Stack web development. He also worked in IPM (Institute For Research In Fundamental Sciences) and IranDoc (Iranian Research Institute for Information Science and Technology).

EDUCATION

Islamic Azad University, South Tehran Branch 	2019 – 2021
Bachelor in Computer Software Engineering	Tehran, Iran
Shomal University 	2009 – 2011
Associate in Computer Software Engineering	Amol, Iran

PROFESSIONAL EXPERIENCE

Sabalan Tajhiz	Oct 2019 – Mar 2020
Embedded Software Engineer	Tehran, Iran
<ul style="list-style-type: none">Designed and customized control panel systems for medical centrifuges	
Bazaz Tejjart Pars 	Jun 2018 – Jan 2019
Software Developer	Tehran, Iran
<ul style="list-style-type: none">Reviewed current system for system improvements and developed automated test system for production lineDeveloped and maintained a control and monitoring system for the production line that decreased the production error by roughly 15%	
CanSell 	Dec 2016 – May 2018
Web Developer	Shiraz, Iran
<ul style="list-style-type: none">Designed and implemented web interfacesConducted manual testing of web and mobile applicationsOptimized the backend code which led to a 10% improvement in performance	
Institute for Research in Fundamental Sciences 	Aug 2015 – Oct 2016
Research Assistant	Tehran, Iran
<ul style="list-style-type: none">Under Dr. Hossein Vahabie's supervision regarding two different projects:<ul style="list-style-type: none">I - the role of Oxytocin in human observational learning andII - the network differences between patients with ADHD and control subjects	

SKILLS

Programming languages

Rust, Python, JavaScript/TypeScript, PHP, BASIC, Assembly(8051/ARM/Z80), C++(Arduino)

Web Development

HTML, CSS/SCSS, JavaScript/TypeScript

Databases

MariaDB/MySQL, RxDB

Tools

Git, Bash/Zsh/fish, Vim/VS Code/IntelliJ IDEA

VOLUNTEER EXPERIENCE

Node.js 	2016 – 2022
Website team member	Iran
The society for defending of street and labor children 	2009 – 2010
Educator	Tehran, Iran

PUBLICATIONS

The effect of kombucha mushroom extract on the oxidative stress and chromosomal abnormalities by vincristine drug on normal liver cells 2022
preprint
Vincristine is a plant-based anticancer drug used to treat a wide range of cancers and sometimes causes damage to healthy cells, which are affected by different mechanisms. Due to its polyphenols, Kombucha tea has several properties, such as antioxidant and antimicrobial activities. In this paper, we examine the impact of Kombucha Mushroom extract on oxidative stress induced by Vincristine on normal liver cells.

HONORS & AWARDS

2nd place, RoboCup IranOpen 2009
IranOpen Committee

Runner up, Khwarizmi Youth Award (KYA) 2008
Iranian Research Organization for Science and Technology (IROST)

LANGUAGES

Persian | English

COURSES

Full Stack open 2022 [↗](#) 2022
University of Helsinki

JavaScript Algorithms and Data Structures [↗](#) 2022
freeCodeCamp

Responsive Web Design [↗](#) 2021
freeCodeCamp