Mostafa Najafi

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Education

2014 - 2018	**B.S. in Computer Engineering**, *Islamic Azad University Central Tehran Branch*, Tehran, Iran.
2010 - 2014	**Diploma in Mathematics and Physics Discipline**, *Allame Helli 3 High School*, Tehran, Iran.
	– Affiliated with National Organization for Development of Exceptional Talents.

Professional Experience

2017 - curr	**Developer & Researcher**, *Green and Silver Leaves*.
2014 - 2015	**Web Developer**, *Kian Pardaz Hooshmand*.
2012 - 2013	**Robocup 3D Soccer Simulation**, *Member of S4M team*.
2011 - 2012	**Robocup 3D Soccer Simulation**, *Member of H3llinoX and GuyDenTiFieD teams*.
2010 - 2011	**Signal Processing Lab**, *Allame Helli 3 High School in cooperate with Nabrai Tarashe*.

Teaching Experience

Summer 2016	**Game Development**, *University of Science and Technology*, Tehran, Iran.

Skills

Programming	Guru in C/C++. Proficient in Python, JavaScript, HTML, CSS, PHP. Familiar with matlab, C#, Bash Script, SQL.
Libraries	OpenCV, OpenGL, SDL, SFML, Vuejs, PhalconPHP
Tools	Proficient in Git
Linux	Proficient in Linux.
Languages	Native Persian Speaker, fluent reading and basic speaking and writing in English.

Selected Projects

2012 - 2013	– **Simulated 3D robot walking**: Create and learn an ANN to help simulated 3D NAO robot to walk.
Winter 2012	– **Othello**: An object-oriented client/server platform providing an interface for othello AI programs written in C++. Uses Boost Asio and SDL as backend.
2011 - 2012	– **Car Tracking**: A dynamic system that detects cars and their movements.
2011 - 2012	– **Inverted Pendulum**: Create a simulated system that has a pendulum and physic rules, an AI that learn with Q-Learning tries to keeps pendulum inverted.
2010 - 2011	– **Speech Processing**: Learn from a voices database that includes specific words and then can realize them in input. Project written in matlab.

Awards & Honors

Feb 2013	**Farzanegan Robocup 2013**, *3D Soccer Simulation league*, Ranked First Place.
Apr 2013	**Robocup IranOpen 2013**, *3D Soccer Simulation league*, Certificate of Participation.
Apr 2012	**Robocup IranOpen 2012**, *3D Soccer Simulation league*, Certificate of Participation.
Apr 2012	**Robocup DutchOpen 2012**, *3D Soccer Simulation league*, Certificate of Participation.

Interests

- Solving algorithmic problems
- Artificial Intelligence
- Artificial Neural Networks
- Robotics

- Game Development
- Machine Learning
- Machine Vision