

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