Ali Piry

As of May 2020

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Education

2016-Present	**B.Sc.**, *Computer Software Engineering, Qazvin Azad University, Qazvin, Iran.*
2012-2016	**Diploma**, *Mathematics and Physics, Allame Tabatabei High School, Qazvin, Iran.*

Work Experience

2019-Present **Software Developer**, KARJOO+ Startup, Qazvin, Iran

KARJOO+ is a social network for sharing skills and competencies. It is mainly used for networking, team-building, team-composition, and recruitment.

2017-2019 **Development Team Member**, NAO Humanoid Robot Lab, Qazvin Azad University, Iran

Research, design, and implementation of a behavior control system of NAO robot in soccer game using programming and teamwork skills, publishing papers and technical documents, and participating in international RoboCup competitions.

Projects

2019 **KARJOO+ Mobile Application**, KARJOO+ Startup, Qazvin, Iran

Responsible for developing and maintaining iOS and Android applications using React Native, NodeJS, GraphQL, Apollo, MySQL, etc.

2018 **Single-Agent Behavior**, NAO Humanoid Robot Lab, Qazvin Azad University, Iran

Implementation of a module to make the robot behave like a human in a soccer field, find a stable solution for evaluating all the existing obstacles, detect blind spots of goal to score a goal properly.

2017 **Multi-Agent Coordination**, NAO Humanoid Robot Lab, Qazvin Azad University, Iran

It is mainly inspired by the Positioning to Win at the Simulation3D league. Having a general framework for multi-agent coordination is an essential part of good soccer playing team of robots. Time cost measurement has used instead of distance measurement in this module.

Honors and Awards

2017-2019	Recipient of Scholarship from Qazvin Azad University, Iran
2017	2nd Place of SPL, RoboCup Asia-Pacific 2017, Bangkok, Thailand
2017	Make up to Quarter Final of SPL in World RoboCup 2017, Nagoya, Japan
2017	2nd Place of SPL, RoboCup Iran Open 2017, Tehran, Iran

Publications and Reports

2018 Shahroudi, N. and **Piry, A.**, Task Assignment Module. Multi-Agent Coordination of the NAO Humanoid Robot in Standard Platform League.

2018   Shahroudi, N., Sharpasand, M.A. , **Piry, A.**, et al., MRL-SPL Team Research Report 2017.

Skills

Social Skills	Teamwork Experience, Scrum, Agile Software Development.
Programming Languages	C/C++, JavaScript, TypeScript, ShellScript, GO.
Frameworks and Libraries	HTML, CSS, ReactJS, React Native, NodeJS, GraphQL, Apollo, MySQL, Sequelize, PostgreSQL, Postgraphile, PL/pgSQL.
Misc	Linux, VIM, Git, Qt, Eclipse, VSCode, SQL, Yarn, Npm, Homebrew, FishShell, Tmux, Makefile, CMake, Latex.

Languages

Persian	Mother-tongue
English	Fluent

Interests and Activities

Sports	Hiking, Running.
Reading	Lifestyle, Philosophy, Mystery, Historical-fiction, Speculative-fiction.
Movies	Science-fiction, Thriller, Drama, Western.
Music	Alternative Rock, Progressive Pop, Hip hop, Country, Folk.

References

Available upon request.