Pooya Moradi

Ruby ⋆ Python ⋆ C++

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🖐 *py4*

TECHNICAL SKILLS

- **Main Programming Languages**: Ruby, Python, C++
- **Familiar With**: PHP, JS, Bash Script, R, Verilog
- **Web Development**: Ruby on Rails, Sinatra, HTML5, CSS3
- **Databases**: MySQL, PostgreSQL, MongoDB
- **Tools**: Scikit-Learn, MATLAB, MALSAR, SLEP
- **Linux**: Wizard in management

PERSONAL QUALITIES

- Self-motivated and always eager to learn new stuff.
- Diligent, creative, and curious.

PROJECTS

- **Tangle** : Ruby, Rails
  - Web application for tagging and annotation of datasets by using the power of crowd-sourcing
  - Twitter datasets and Information Retrieval datasets
- **Elixer** : Python
  - Efficient vector-based map renderer and explorer software using efficient data structures.
  - Supports path finding using graph algorithms: A* , Dijkstra
- **Instagholam** : C++, Qt4
  - A photo sharing software as a replica of Instagram.
  - Qt4-based, Multi-user, Multi-threaded, CDN support
- **Neptune** : Python
  - Statistical analysis of user engagement of tweets related to IMDB movies.
  - Applied several machine learning methods.
- **PAL** : Ruby
  - Preference/Ranking aggregation library.
  - Developed and published for ACM RecSys Challenge 2014
- **Phy** : Ruby, Rails
  - Web-Based service for career guidance of people with disorders of auditory.
- **Krush** : C++, SDL
  - A GUI game powered by SDL library as a clone of Candy Crush game.
- **FFS** : C
  - Fast pseudo file-system in dynamic memory.
- **Tutorial** : Ruby, Rails
  - Text-based tutorial management system.
  - Developed for ACM student chapter of University of Tehran
- **Memphis** : C++, Qt4
  - GUI library management software.

Professional Experience

Fall. 2013 -
Fall. 2014
Software Engineer, *Taskulu, ShayaWeb Co.*
- Backend developer of Taskulu which is a platform to launch teams and projects, recruit team mambers and set custom access controls with automated payments.
- Technologies: Ruby, Rails, MongoDB.

2011
Writer, *Tachranet e-commerce magazine*, Fanap Co.
- Wrote articles about startup stoties, e-commerece trends and strategies.

2011
Software Developer, *RoboCup Rescue Agent Simulation*, ESKILAS team.
- Was part of a team which developed a multi-agent system to minimize damage after an earthquake.
- Dealing with lots of graph, optimization and clustering algorithms.

2010
Software Developer, *Robocup Mixed Reality*, TripleA team.
- Was part of a team which developed a multi-agent system with virtual interactions and physical movements.

2009
Software Developer, *Robocup Soccer 2d Simulation*, ESKILAS team.
- Was part of a team which developed a multi-agent soccer team.

2009
Founder and Developer, *Chakamak*.
- A persian crowd-sourcing platform to share or explore great little poems written by known or unknown, ancient or contemporary poets.

Education

2013 - 2017
BS in Software Engineering, *University of Tehran*, GPA: 17.52/20.

2009 - 2013
High School, *Allameh Helli High School of Tehran*, Affiliated with National Organization for Development of Exceptional Talents (NODET) .

Honors and Awards

- **ACM RecSys Challenge 2014** : Ranked **5th** among 36 yeam in ACM RecSys Challenge 2014 which was about "How to rank IMDB tweets based on their RTs and favorites count that they might gain in future?"

- **Best Project Award by IEEE Student Branch** : Nominated for the best project award program held by IEEE student Branch of University of Tehran for *Instagholam* project.

- **National University Entrance Examination** : Ranked **244th** among 600000 students.

- **13th National Khwarizmi Festival** : **1st** as *ESKILAS* rescue agent simulation team at provincial round of robotic competitions of *National Khwarizmi Festival* held by *Iranian Research Organization for Science and Technology*

- **13th National Khwarizmi Festival** : Ranked **4th** as *ESKILAS* rescue agent simulation team at robotic competitions of *National Khwarizmi Festival* held by *Iranian Research Organization for Science and Technology*

- **Chakamak** : **Nominated** for the 6th Iran Web Festival among more than 180 rivals in the category that *Chakamak* was.

Graduate Courses Taken

- Intelligent Information Retrieval [Unofficially]
- Natural Language Processing [Unofficially]

RESEARCH EXPERIENCE

May. 2014 - **Undergraduate project**, *Intelligent Information Systems Lab, University of Tehran.*
Now
- ○ User engagement evaluation in Twitter : Published in ACM RecSys Workshop
- ○ Multi domain user engagement evaluation using Transfer Learning : Submitted for SIGIR' 15

PUBLICATIONS

- Hamed Zamani, Azadeh Shakeri, Pooya Moradi, *Regression and Learning to Rank Aggregation for User Engagement Evaluation*, Proceedings of the 2014 Recommender Systems Challenge, 2014