ARMAN RADMANESH

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Data Science and Analytics master's student at The University of Oklahoma with extensive experience in software and web development, seeking a research assistant position to apply and broaden my technical skills.

PROFESSIONAL EXPERIENCE

New School for Social Research (Gorgan, Iran & Noraman, OK)   2022 – Present
Senior Software Developer/Researcher
As a volunteer developer, I have designed and developed a robust framework for behavioral and social science experiments, called Cut, using JSON. It employs ReactJS, MongoDB, and other technologies, facilitating the development of a near client-side full-stack application. Meanwhile, Jamasp enables researchers to set up their studies and protocols. It, for instance, invites participants to connect their Fitbit devices for automatic bio marker collection. This integrated model also lends itself to leveraging AI data analysis.

Freelance Software and Web Developer (Tehran, Iran & Norman, OK)   2006 – Present
I have also developed a wide range of web applications using Java, ReactJS, PHP, Static Websites, Google Cloud Platform, and much more. These experiences have allowed me to showcase my expertise in building dynamic and responsive digital cloud based solutions.

BongaMonga® (Tehran, Iran)   2015 – 2018
Senior Software Engineer/Developer
As senior web developer and web designer I developed BongaMonga®, a real estate web application that connected customers directly with sellers/renters. Utilized Play! framework 2.x and Bootstrap 4.x for UI/UX.

WhiteOx (Rasht, Iran)   2015 – 2018
Senior Software Engineer/Developer
I designed and implemented a multiplayer card gaming web app UI from scratch. I also developed a desktop application akin to a simplified version of PokerTracker, and a dynamic prize system, increasing ROI growth to over 100% within a year.

Ratnic (Tehran, Iran)   2014 – 2015
Senior Software Engineer/Developer/Co-Founder
I developed a social platform where users could compete by completing quizzes. I also designed the architecture and supervised the development of an optimized airplane ticket search engine..

IRS (Tehran, Iran)   2013 – 2014
Software Engineer/Developer
I designed and developed a front-end web-application for "Clonet"; a firewall appliance solution.

Research Institute for ICT (Tehran, Iran)   2012 – 2013
Research Engineer/Developer
I developed experimental knowledge engineering and semantic methods, primarily focused on ontology and logic.

Farasd (Tehran, Iran)   2011 – 2012
Software Developer
I contributed to the development and debugging of the user interface for "ChBox," a Java mail-client utilizing J2SE and Java Swing technology.

SELECTED PROJECTS

- Involved in Brain-Computer Interfaces (BCI) studies and conducted experiments with EEG/BCI headsets (2011-2013).
- Conducted experiments on joint arm robots using LEGO MindStorm NXT as a personal curiosity and hobby in 2007.
- Developed a Reversi player agent using Ant Colony Optimization (ACO) technique as part of an Artificial Intelligence course in 2006.
- Developed a Subscription Management System for Badbadak Magazine as a volunteer project in 2005.
- Developed a vector-based search engine called CG125 as part of an Information Retrieval course in 2004.

EDUCATION

Amirkabir University of Technology (Tehran, Iran)   **2004**
Bachelor of Computer Engineering, Minor in Information Technology
Thesis: Design and implementation of a wireless sensor network simulator GUI.

The University of Oklahoma (Norman, OK)   **2024**
Master of Data Science and Analytics.

PROGRAMMING AND LANGUAGE SKILLS

Programming: Proficient in J2SE, J2EE, Spring framework, ReactJS, TypeScript, NodeJS, Express, MATLAB, R, Grunt, Bower, Webpack, Unix command prompt, Cloud Development, Google Cloud Platform and Cloud Computation, AWS, CoffeeScript, jQuery, Sass, Less, CSS3, HTML, Hibernate, NoSql Databases and Relational Databases. Skilled in Python, Play! Framework 2.x, Scala, C++, PHP , Pascal and Heroku Cloud. Familiar with Blockchain Concepts, Solidity, Task Automation, and Eclipse Plugin Development Environment.

Languages: Proficient in English, TOEFL iBT Score: 96. Native in Farsi.

REFERENCES

Dr. Mostafa Salari Rad, salam955@newschool.edu
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Dr. Abby Saajedi, contacts@seawisemaster.com
Dr Mohammad Meybodi, mmeybodi@aut.ac.ir