



Mohammadossein Norouzimahalli

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PROFESSIONAL SUMMARY

Motivated and hard-working data scientist with 6+ years of professional experience in conducting machine-learning, predictive modeling, data processing and data mining algorithms to solve challenging business problems, seeking to apply my experiences of planning and monitoring, executing project requirements and transferring business methods for optimum delivery.

SKILLS

- Advanced data mining
- Data visualization
- Machine Learning
- Deep Learning
- Programming documentation
- Advanced knowledge of PHP
- Proficient in Data Science Subjects
- Data management
- .Net development
- Advanced knowledge of C and C++
- ML Programming Languages (Python & R)
- ASP.Net AJAX Toolkit
- Problem-solving & critical thinking
- Oral and written communication skills
- Network troubleshooting
- Network upgrades
- Data integrity implementation
- Systems installation and configuration
- CISCO router management
- Website and portal monitoring
- Website optimization
- Database design
- Data analysis
- Workflow analysis
- Java, PHP, JavaScript
- SQL Server, MySQL
- Interpersonal skills

EDUCATION

- Master of Science** | Computer Science *PRESENT*
University of New Brunswick, Fredericton, NB
- Bachelor of Computer Engineering** | Computer Software *2013*
University of Mazandaran, Sari, Iran
- Specialized Diploma** *2007*
Rayan Sharif, Sari, Iran
Certificated Advanced Programmer.

WORK EXPERIENCE

- DATA ANALYST / TEAM MANAGER** *08/2020 to Current*
Webstorage Marketing Solutions Inc. | Saint John, NB
 - Develop and implement databases, data collection systems, data analytics and other strategies that optimize statistical efficiency and quality

- Mining, normalizing and preprocessing data from data warehouses.
- Interpret data, analyze results using statistical techniques and provide ongoing reports.
- Collaborating with programmers, engineers, and organizational leaders to identify opportunities for process improvements, recommend system modifications, and develop policies for data governance.

TEACHING AND RESEARCH ASSISTANT

09/2015 to 5/2020

University of New Brunswick | Saint John, NB

- Prepared lessons according to course outline to convey all required material and deepen student understanding of subject matter.
- Conducted research in healthcare with a team of two graduates and faculty.
- Maintained atmosphere of academic learning and advancement to facilitate learning and development of critical thinking skills.
- Assisted faculty with clerical tasks such as copying papers, collecting assignments, and preparing materials for upcoming classes.
- Checked assignments, proctored tests, and provided grades according to university standards.
- Planned, modified, and executed research techniques, procedures and tests.

INFORMATION TECHNOLOGY ANALYST/MANAGER

01/2008 to 05/2015

ArghavanPey Ltd | Sari, Iran

- Oversaw the development and maintenance of the IT strategic plan.
- Managed IT department operational and strategic planning, including business requirements, project planning, IT support staff workflow, and allocation of resources.
- Approve and monitor major projects, IT budgets, priorities, standards, procedures, and overall IT performance.

EXECUTIVE MANAGER, DEVELOPER

01/2010 to 01/2015

C-Core Programming Group | Sari, Iran

- C-Core Programming Group Founder.
- Trained the employees and handled IT Infra and EDP Projects.
- Designed, implemented and tested Intranet software and cloud-based platforms.
- Analyzed network security and current infrastructure to assess areas in need of improvement and develop solutions.
- Advocated for end-users to perform testing and problem analysis for server, desktop and IT infrastructure work.
- Coordinated projects, including defining scope, managing milestones and maintaining strong relationships with all stakeholders.

SOFTWARE ANALYST - REMOTE

09/2010 to 05/2014

Georgia Tech CISE | Georgia, Atlanta, USA

PUBLICATIONS

- Worked as a research assistant and developer with Dr. Abbas Rashidi.
- Developed image processing software.
- Designer and web manager of the CISE website.
- Mohammadhossein Norouzmahalli, Dr. Manaf Zargoush, Predicting, "**AgeAbility: Functional Status for Aging**", <https://ageability.ca> (2019)
- Mohammadhossein Norouzmahalli, Dr. Christopher Baker, Zeinab Moafiantaraghdari, "**Prediction-focused missing data imputation in healthcare datasets: fall detection improvement in noisy datasets**", 10th annual New Brunswick health research conference (November 7th, 2018).
- Mohammadhossein Norouzmahalli, Dr. Janet Light, Alireza Manashty, "**Fall detection improvement in noisy datasets: Missing data imputation using a dimensionality reduction technique**", 25th Annual Graduate Research Conference (March 23rd, 2018).
- Alireza Manashty, Dr. Janet Light, Mohammadhossein Norouzmahalli, "**Long-term Patient Mortality Forecasting using Deep Learning**", 25th Annual Graduate Research Conference (March 23rd, 2018).
- Mohammadhossein Norouzmahalli, Dr. Janet Light, Alireza Manashty, "**INTMS: Intelligent Network Traffic Management Service for HEAL**", 23rd Annual Graduate Research Conference (April 22nd, 2016).
- Mohammadhossein Norouzmahalli, Mostafa Bastam, "**Vehicle's Intelligent Diagnostic System**", 2nd Congress of Iran's Smart Systems Technologies (Accepted for publication on January 4th, 2011).
- Mohammadhossein Norouzmahalli, Mostafa Bastam, "**Presenting the smart monitoring system on healthcare using wireless sensor networks**", 1st Congress of Information Technology in Health (Accepted for publication on June 9th, 2010).

AWARDS

- 1st Place Award in the Humanoid Robots Competition, for Creating MAZAND2 (The 2nd Iranian Humanoid Robot)
- 1st Place Award in the AI Systems Competition for Vehicle's Intelligent Diagnostic System.
- CIPS certified member.

COMMUNITY SERVICES

- **NB High School Programming Competition**, Saint John, NB, November 2016
- **National Girls Learning Code Day**, Saint John, NB, November 2015 - **Mentor**
- **A Day with Children & IT Fair**, Babolsar, Iran, December 2013 - **Tutor**