

Mitra Solgi

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RESEARCH INTERESTS

My research interests lie in the areas of:

- * Database systems and large-scale data management, systems, and analytics.
- * Health informatics and big data analytics and AI in healthcare systems.
- * Mining and machine learning driven methods for system performance tuning, monitoring, and data analytics.
- * Software quality assurance, software testing and analysis and bug detection.
- * Mobile computing and software development for smart mobile devices.

EDUCATION

New Mexico State University

NM, USA

M.Sc. in Computer Science

Aug. 2013 – Dec 2015

Master Project: "Classification of patient records"

Overall GPA: 3.57/4.0

Islamic Azad University

Tehran, Iran

Bachelor of Software Engineering

Sep. 2006 – Jan 2009

Islamic Azad University

Tehran, Iran

Associate's degree of Software Engineering

Sep. 2003 – Sep 2005

EXPERIENCE

ITS Application Developer

Aug 2016 – Present

Naghsh Aval Keyfiat

Tehran, Iran

- Developed new Odoo(7.0,12.0) add-ons to fulfill business needs
- Maintained existing odoo modules
- Worked as a part of PARS (Performance Analytics and Reporting System) project in order to develop python scripts for parsing Nokia2G, Nokia3G and Nokia4G data
- Developed web services for PARS mobile application
- Developed python scripts for transferring files using FTP protocol

Web Developer

Aug. 2015 – May. 2016

Jornada Experimental Range,

Las Cruces, NM

- Assisted with developing LTER website using Drupal platform on WAMP (Windows/Apache/MySQL/PHP) technology stack
- Consult with internal stakeholders to identify business requirements and organizational priorities for developing LTER website
- Writing PHP modules for migrating data from Drupal 6. 0 To Drupal 7.0
- Collaborated with lead developer to expand Drupal architecture
- Managed the development of mobile applications used to support research efforts

Teaching Assistant

Aug 2014 – May 2015

New Mexico State University

Las Cruces, NM

- Assisted the professor in providing materials for the course and grading lab assignments
- Holding weekly office hours where students may get help on homework, labs and any course concepts
- Leading weekly labs and providing assistance to students

Undergraduate courses assisted in: Operating Systems and Object Oriented Programming

Research Assistant*New Mexico State University*

Jan 2014 – June 2014

Las Cruces, NM

- Compiled Fortran code for “STOMP” (Subsurface Transport Over Multiple Phases) project
- Developed academic personal website for professor (CSS, HTML)

Student Assistant*New Mexico State University*

Sep 2013 – Jan 2014

Las Cruces, NM

- Developed data visualization project for “Phenophase” (PHP, MYSQL)
- Database Design and management (MYSQL, Microsoft Access)

HONORS AND AWARDS

Grace Hopper Celebration Scholar*Scholarship Grant to attend the 2015 Grace Hopper Celebration of Women in Computing(GHC)*

Houston, TX

*June. 2015***Graduate Cohort Workshop(CRA-W)***CRA-W Grad Cohort Workshop- Invitation and Travel Grant*

San Francisco, CA

*Apr. 2015***TECHNICAL SKILLS**

Languages: Python, C#, SQL (Postgres, MS SQL Server, MYSQL, Oracle), HTML/CSS**Frameworks:** Odoo, WordPress, Drupal**Developer Tools:** Git, Visual Studio, PyCharm, Eclipse**Libraries:** Pandas, NumPy**HOBBIES**

- Listening to music
- Traveling
- Reading books
- Cooking