# 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** <span style="float:right">Jan 2014 – June 2014</span>

*New Mexico State University* <span style="float:right">*Las Cruces, NM*</span>

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

**Student Assistant** <span style="float:right">Sep 2013 – Jan 2014</span>

*New Mexico State University* <span style="float:right">*Las Cruces, NM*</span>

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

## Honors and Awards

**Grace Hopper Celebration Scholar** <span style="float:right">Houston,TX</span>

*Scholarship Grant to attend the 2015 Grace Hopper Celebration of Women in Computing(GHC)* <span style="float:right">*June. 2015*</span>

**Graduate Cohort Workshop(CRA-W)** <span style="float:right">San Francisco,CA</span>

*CRA-W Grad Cohort Workshop- Invitation and Travel Grant* <span style="float:right">*Apr. 2015*</span>

## 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

- Reading books

- Stand-up comedy

- Traveling

- Mountain climbing

- Cooking