

# AMIRALI SAEEDI

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## SUMMARY

**Program Manager** with *Microsoft Cloud and Enterprise* division, *System Center* Microsoft Intune Feature Areas: Identity and Subscription, Commerce Platform, Authentication and Authorization, JIT Service Operability, and Azure Common Engineering Criteria (CEC)

- Designed, drove and shipped products/features in System Center Client Management (SCCM) and Microsoft Intune for cloud enterprise customers, across both customer-facing and back-end infrastructure
- Conducted market/competitive analysis and user studies. Wrote specs, and drove engineering team to deliver and ship products
- Managed project plans, led meetings with stakeholders and resolved conflicts and blocking issues
- Evangelized products and features through presentations, training sessions, and blog posts. Worked directly with partners/customers to drive adoption

## SKILLS

- Programming languages: C#, Python (2+ educational), Java (+2 educational), Visual Basic.NET (+4 educational/industrial)
- Databases: Familiar with Microsoft Access, SQL, Limited experience with ORACLE
- Project Management: MS Project (1 year Academic), limited experience with Primavera
- System dynamics modeling: VENSIM (System Dynamics Simulation Software)
- Mathematical Programming and Optimization: CPLEX, GAMS, Lingo
- Simulation Packages: ARENA, Synchro (2+ educational)
- Familiar with Microsoft Windows Server, Active Directory (3 year industrial)
- Familiar with Linux Network Administration, Apache Web Server, and Network Protocols

## EDUCATION

- **Ph.D. Industrial Engineering** **2010 - 2013**  
Oregon State University, USA  
**GPA:** 3.92  
Minor(s): Information Systems and Transportation Engineering  
Dissertation Title: Bluetooth-based Automatic Traffic Data Collection System  
Awarded as the *Outstanding Graduate Research Assistant* at the Industrial Engineering Department
- **M.S. Industrial Engineering** **2008 - 2010**  
Oregon State University, USA  
**GPA:** 3.87  
Thesis title: A Computer-Assisted Qualitative Data Analysis Framework for Lean Implementation Practices
- **B.S. Industrial Engineering** **2004 - 2008**  
Sharif University of Technology – Tehran, IRAN  
**GPA:** including 115 units: 16.84 / 20  
Thesis title: Using Microsoft SQL Server 2005 and Java to solve some real world problems with data mining techniques

## GRADUATE SCHOOL PROFESSIONAL EXPERIENCES

- **Traffic Data Collection Mesh Sensor Network (Funded by Oregon Department of Transportation):** Leading a research team to utilize a ZigBee-based mesh system equipped with wireless data collection sensors to collect traffic data in areas of interest (e.g. intersections, work zones, etc.). Profound knowledge about mesh networks, working with ZigBee modules, and programming Microcontrollers was needed. Advisor: Dr. David Kim.

- **Wireless Vehicle Detection System (Invention disclosure approved):** Used Bluetooth technology to identify vehicle's location and collect statistical travel information. The proposed techniques significantly improved the accuracy of the system. Required programming skills with Python language and BlueZ protocol stack, and deep understanding of Bluetooth technology, in a very short time. Funded by Oregon Department of Transportation. Advisor: Dr. David Kim. **PhD Dissertation.**
- **ABC Decision Tool and Economic Modeling:** Standardized decision process to eliminate unnecessary and time-consuming analysis. Developed a set of tools (Using Visual Basic .NET) to determine if Accelerated Bridge Construction is more economically effective than traditional construction. The toolkit's interface was designed to be operated by people with very low computer expertise. Pool Funded by FHWA and Oregon Department of Transportation. Advisor: Dr. Toni Doolen.
- **Healthcare Toolkit: Clinician's Diagnostic Aid Application. A Human Factor Analysis:** This prototype is used to facilitate the diagnostic process during a medical encounter and is targeted for a portable device. In this project, different techniques to present relevant information to the user, including a number of UI designs, was studied.
- **Using Text Mining and Machine Learning in Qualitative Data Analysis (QDA):** Developed a computer-assisted framework to automate the coding phase of the Qualitative Data Analysis. Text mining functionalities are implemented using Java and Gate Platform. Advisor: Dr. Toni Doolen, **Masters Thesis.**

## RESEARCH PUBLICATIONS

- Saeedi, A., Park, S., Kim, D.S., Porter, J.D., *Improving Accuracy and Precision of Travel Time Samples Collected at Signalized Arterial Roads with Bluetooth Sensors*. Transportation Research Records (TRR): Journal of the Transportation Research Board. No. 2380. **Transportation Research Board of the National Academies**, Washington, D.C. 2013, pp. 90-98.
- Saeedi, A., Emami, S., Doolen, T. L., Tang, B. *A Decision Tool For Accelerated Bridge Construction*. **Precast/Prestressed Concrete Institute (PCI) Journal**, Spring 2013.
- A. Saeedi, T.L. Doolen, 'A Computer-Assisted Qualitative Data Analysis Framework for the Engineering Management Domain', **International Journal of Data Analysis Techniques and Strategies (IJDATS)**, Vol. 4 No. 1, PP. 1--20. 2012.
- Doolen, T.L., Tang, B., Saeedi, A., Emami, S. 'To Accelerate Bridge Construction or not? A Planning Phase Decision Tool for ABC'. **Public Roads**, Vol. 75. No. 3. 2011.
- S. Kianfar, A. Saeedi, N. Nasr, R. Akbari, 'Measuring the bullwhip effect in order-up-to policies with continuous and periodic review: A system dynamics simulation approach', Proceedings of **2008 International Conference on Risk Management and engineering Management (RMEM08)**, University of Toronto, Ontario, Canada, (ISTP/ISSHP indexed), and also sent to Elsevier for EI-indexing evaluation.
- J. David Porter, David S. Kim, Mario E. Magaña Carlos Antar Gutierrez Arriaga, Panupat Poocharoen, Amirali Saeedi, SeJoon Park. 'Antenna Characterization for Bluetooth-based Travel Time Data Collection'. **Western States Rural Transportation Technology Implementers Forum**, June 16th, 2011.