

# Farica Mascarenhas

## Systems Analyst

- Results-driven Systems Analyst with 8+ years experience in managing and delivering high impact and cost effective automated solutions and improving business processes leading to efficient operations.
- Passionate Software Engineer with 4+ years experience in design, testing, deployment and maintenance of software systems. Able to effectively manage independent projects as well as collaborative efforts.

📍 Dallas, TX  
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## EDUCATION

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### Master of Science in Software Engineering

*December 2016*

Viterbi School of Engineering  
University of Southern California

### Bachelor of Science in Computer Engineering

*May 2012*

Minor in Management and Mathematics  
University of North Texas

## SKILLS

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C++, Java, HTML5, CSS, JavaScript, SQL, Perl, Shell Scripting, Jenkins, Puppet, Github

## AWARDS

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### Technical Excellence Award (TEA)

*February 2016*

Selected by the TEA committee at Texas Instruments for my contributions demonstrating technical innovation, expertise and leadership

## WORK EXPERIENCE

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### Systems Analyst/Project Manager

*Texas Instruments*  
*August 2016 – March 2021*

- Engaged in project definition, planning, resource management, risk management, process oversight, and quality control to ensure flawless execution of IT projects
- Gained expertise and became go-to person for systems supporting the wafer processing flow from beginning to end
- Collaborated with customers to find areas of improvement in manufacturing processes and build creative solutions
- Influenced customers and leadership teams with “outside the box” mindset
- Mentored New College Graduates and Interns

### Software Engineer

*Texas Instruments*

*November 2012 – July 2016*

- Designed and Developed semiconductor manufacturing apps including equipment automation, process control, fault detection, material handling, and decision support
- Collaborated with factory engineers to understand, analyze, and specify system requirements and benefits for projects
- Supported software applications in a high-availability manufacturing environment

## PROJECT WORK

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### Rewrite Factory Scheduling System (1 year)

- Engineered new architecture and standardized workflows for 10+ year old legacy system to ensure scalability and stability
- Led project release to production with no impact to factory

### Rewrite Material Handling System (1 year)

- Engineered new architecture to work with new vendor system for better supportability and maintainability
- Configured Lantronix devices to communicate with vendor system