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.

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Education

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

C++, Java, Python, SQL, Perl, Shell Scripting, Jenkins, Puppet, Github

Awards

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

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

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