

# MICHAEL BELLA

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## TECHNICAL STRENGTHS

<b>Programming Languages</b>	Embedded C, LabView, Python, C/C++
<b>Software Tools</b>	Eclipse, git, SVN, Code Composer Studio, IAR, Spice, AWR Microwave Office, CADSoft Eagle, Matlab
<b>Design Experience</b>	Low Power Embedded Systems, RF Matching Networks & Amplifiers Analog Signal Processing, High Precision Analog Measurement, SMPS Design
<b>Lab Skills</b>	SMD Soldering, Wiring harness construction, PCA Bringup and Debug Prototyping, Build designs from print
<b>Other Technical Experience</b>	Proficient with Linux, Texas Instruments MSP430 Processor Family

## WORK EXPERIENCE

<b>KLA-Tencor</b> <i>Electrical Engineer</i>	December 2011 - Present <i>Milpitas, CA</i>
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- Design many different automated test and measurement applications in LabView.
- Write LabView software to acquire and process data from a wide range of lab equipment
  - Network and Impedance Analyzers
  - Spectrometers
  - Digital Multimeters
  - Agilent Oscilloscopes
- Write embedded C for the low power MSP430 processor family
  - Design embedded systems to serve as a platform for new sensor technologies
  - Adapt existing measurement system architectures for use with new sensor types
- Analyze data from new sensor designs during the research and development process
- Design RF matching networks

<b>KLA-Tencor Internship</b> <i>Electrical Engineer</i>	June 2005 - December 2011 <i>Milpitas, CA</i>
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- Developed LabView code for a wide range different projects
  - Automated capacitor tester
  - Wireless communication system tester
  - Synchronous serial link to a custom embedded sensor system
- Characterized the magnetically coupled wafer communication system
- Performed PCB/PCA diagnostic work, failure analysis, rework of SMD and through hole components.

## EDUCATION

<b>San Jose State University</b> B.S. in Electrical Engineering	<i>December 2011</i>
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