MICHAEL BELLA

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88 E. San Fernando St Unit 711, San Jose, CA 95113

TECHNICAL STRENGTHS

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

WORK EXPERIENCE

KLA-Tencor December 2011 - Present
Electrical Engineer *Milpitas, CA*

· 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
· Design build and program test fixtures and experimental fixtures
  - Measure on state resistance of DIO pins on an MSP430 as part of an error budget workup for the final temperature sensor wafer.
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KLA-Tencor Internship June 2005 - December 2011
Electrical Engineer *Milpitas, CA*

· 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

San Jose State University *December 2011*
B.S. in Electrical Engineering