

Heath H. Holcomb

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EDUCATION

Texas A&M University (College Station, TX)
Bachelors of Science in Electronics Engineering Technology

May 2001

EXPERIENCE

Head Engineer – Otis Instruments (Bryan, Texas)

Jan. 2007 – Dec. 2009

- Oversaw all product development
- Recruited and managed team of engineers
- Schematic entry and PCB layout
- Circuit design; analog, digital, and linear/switching power supply
- Gas sensor interface; electrochemical, inferred, and catalytic bead / pellistor
- PCB prototype assembly and test
- Production documentation; assembly, testing, and quality assurance procedures
- Class I Div 1 and ATEX Zone 1 explosion proof standards compliance design
- Legacy product maintenance
- Wireless product development; 900 MHz and 2.4 GHz ISM band
- Oversaw all IT tasks
- Oversaw new ERP implementation
- Oversaw EN 13980 company implementation; based off of ISO 9001

Project Engineer - Texas Digital Systems (College Station, Texas)

Aug. 2001 – Jan. 2007

- Project management
- Schematic entry and PCB layout
- Circuit design; analog, digital, and linear/switching power supply
- Production documentation; assembly, testing, and quality assurance procedures
- Bill of materials creation
- UL standards compliance design and RoHS compliance design
- Product testing for release
- Legacy product maintenance
- Microsoft XP Embedded design

Intern - Applied Materials (Austin, Texas)

May 2000 – Jan 2001; May 1999 – Aug 1999

- Project documentation
- System testing
- Data analysis
- Hardware and software management

Lab Technician - Texas A&M University (College Station, Texas)

May 1998 - May 2000

- Network administrator
- Electronics design, repairs, and upgrade
- Software design, development and testing

TECHNICAL TOOLS

Software

- Altium Designer 6.0/2008
- Accel Tango Pro (PCB layout)
- Orcad (schematic entry)
- AutoCad 2004 LT
- Openoffice
- MS Office
- Drupal
- Wordpress
- Linux (desktop and embedded)
- Windows 98/NT/2000/XP
- Windows XP Embedded

Hardware

- soldering (surface mount, through hole)
- DMM
- oscilloscope
- logic analyzers
- power supplies
- DAQs
- environmental chamber
- computers maintenance and repair