

Curriculum Vitae

Walter Bales

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Education:

MS Mathematics

University of Texas at El Paso, 2008

BS Mathematics

University of Texas at El Paso, 2006

Languages:

Fluent in English and Spanish.

Experience:

1983-1988 Allen Bradley Inc., El Paso, TX

Tool and Die Maker

Fabricated, repaired and maintained progressive metal stamping dies and plastic compression molds using manual, CNC machining and EDM processes. Certified welder. Made high-precision prototype parts and components for manufacturing machinery.

1988-1991 Daniel Woodhead Inc., El Paso, TX / Juarez, Mexico

Manufacturing Engineer

Developed processes and tooling for production of new products in twin-plant operation. Coached production teams in quality improvement and setup time reduction programs in both US and Mexico operations. Active in product design for manufacturability and process flow control.

Facilities Engineering Manager

Responsible for all operations related to maintaining production capacity in both US and Mexican facilities. Managed maintenance technicians in both facilities and achieved zero production downtime for a 1-year period. Processes included injection molding, CNC machining, presswork and assembly.

1991-1993 TRW, Inc., Reynosa, Mexico

Manufacturing Engineer

Led a team of technicians responsible for the design, fabrication, programming and installation of control systems for automated production and test equipment in a high-volume OEM automotive supplier facility. Active in control design and training/coaching to achieve 100% delivery performance on new product lines.

1993-1998 Astex Tool and Mfg, Inc., McAllen TX

Vice-President, Operations

Responsible for achieving company profit goals. Developed and supported strategic market expansion plans, primarily in the northern Mexico twin-plants, in factory automation design and fabrication. Expanded market share in existing customer base of automotive and electronics assembly and penetrated medical device market. Led implementation of organizational changes resulting in improved product quality, reduced cost and shorter lead times.

1998-2003 BISA, Inc., Colorado Springs, CO

Vice-President, Operations

Responsibilities were similar to those at Astex Tool and Mfg. Heavy focus on electronics and medical device markets. Specialized in design and fabrication of highly sophisticated test equipment. Developed an extensive supplier network rather than relying on in-house fabrication resources. Active in supplier qualification and management of supplier relationships. Developed and closely supported sales and applications engineering team leaders. Expanded territory to include Canadian customers.

2003-2008 University of Texas at El Paso, Mathematics

Decided on a career change. Pursuing a degree in mathematics with the desire to teach.

2008-Present University of Texas at El Paso, Mathematics

Lecturer in mathematics, teaching 15 hours per semester of undergraduate mathematics courses.