

Xuan Hoang

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Professional Resume

Education: **MSEE**

Experience: **Hardware (Analog, Digital, Chip, System Design), Software, Micro Code (Verilog, VHDL) and 26 Continuous years in R&D Engineering Management**

Working History:

1979 – 1983 **Diasonics, Inc (Publicly Held Company)**

Position: Electrical Engineer, Supervisor of Acoustic Device Department.

Products: Spectra Ultrasound Systems

Technology: Doppler Effect, Zero Crossing Detector, Sectorial Scanning, Square Pixel Display and Measurement, Digital Image Processing

1983 – 1986 **Vicom Systems, Inc**

Position: Engineering Manager, Director of Engineering

Products: Black Box (Military Application)

Technology: Real-time Subtraction, Array Processing, Square Pixel Memory, Convolution, Digital Image Processing

1986 – 1992 **Pixel Engineering, Inc**

Position: Director of Engineering, VP of Engineering

Products: Micro-Chanel PS1, PS2, 8514A

Technology: Micro Channel Parallel Bus based Peripherals, attempted to replace those of ISA Bus, later replaced by PCI Bus Architecture. 8514A is a Non-standard High-end Graphics Engine

1992 – 1995 **DTC - Photonics, Inc (Publicly Held Company)**

Position: Chief Scientist

Products: RF Wireless Devices, SCSI, ATA, The First Internet Set-top Box

Technology: RF Wireless Communication Devices, Internet Set-top Boxes, Storage Controllers (ATA and SCSI), I/O

1995 – 1999 **Genoa Systems, Inc (Publicly Held Company)**

Position: Director of R&D, VP of Engineering, Chief Technical Officer

Products: The First Note-Book Design, The First WinCE based Internet Set-top

Technology: Internet based Wireless Application Modules, using Embedded Browser and WinCE Operating Systems

1999 – 2000 **Comtier, Inc (Publicly Held Company)** (Moved to Richardson Texas the end of 2000)

Engineering Division of Andrew Satellite Communications or ASC Signal Corporation

Position: Hardware Development Manager

Products: Wireless Satellite and Terrestrial Communications (Black Box)

Technology: Continuous Phase Frequency Shift Keying (CPFSK) & Communication MAC that yields up to 155Mbps

2000 – 2001 **Amir Technologies, Inc.** (Closed its business 2001)

Position: Chief System Architect

Products: The Future Optical Communication Systems,

Technology: Communication Networks, using the in-house proprietary ASICs and Software (early prototype stage)

2001 – 2004 **VM Labs, Genesis Microchips, Inc. (Publicly Held Company)**

Position: Director of Platform Engineering

Products: Media Access Controllers and Flat Panel Display for OEM (Sony, Panasonic, Toshiba, and Samsung, NS)

Technology: From Progressive to 16:9 High Definition Display ASICs with or without MAC (Media Access Controller)

References upon Request