Steven S Work

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<u>College Education</u> University of Vermont

Degree: Bachelor of Science, December 1989

Major: Computer Science

Minor: Mathematics

<u>Professional Development:</u> Ascension Technology Corporation

Burlington Area

From February 1994 to present

Present employment as a Technical Support Engineer is in a small manufacturing company producing 6 degree-of-freedom motion tracking systems used in robotics, medical research, human-factors, virtual reality, Medical, and animation motion-capture applications.

Product Technical Support

* Provide technical support to customers and perspective customers,
* Evaluate returned electronic equipment for repair/upgrade,
* Established and maintained internet email, FTP, and WWW Homepage account
for technical support,
* Write and assist in the creation of technical support related video,
* Travel to customer location and install product.

Supervisory Experience

* Responsible for training new technical personnel
* Provide direction and supervised management of technical support personnel

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Internal Technical Support:

        * Assist in the development, and implementation of new products to market,

        * Computer Network (LAN) design, Installation and Maintenance,

        * Product Safety Research - Gather safety relevant product information,

        * Evaluated and recommend software/hardware for company purchase.

Marketing Expansion

        * Communicate with pre-sales clients, providing technical & sales information,

        * Travel to trade shows and demo product, communicate with perspective
         customers.

<u>Professional Development</u>:   Consultant
                            Burlington Area
                            July 1993 - February 1994

Projects of note: Traveled to out-of-state location and installed an image tracking system at a research location. Tracking system included self-developed software, PC imaging hardware, and a complete user manual. Also wrote and converted MS-DOS code to run under MS-Windows.

<u>Professional Development</u>:   University of Vermont,
                            Department of Physiology and Biophysics
                            From June 1984 to Nov 1993

Computer Software Designer: Designed programs involved in ***data acquisition*** and analysis in cellular mechanics research. Developed software for electrophoretic gel analysis involving use of a ***video frame grabber*** and digital to analog computer equipment. Developed software used in force and length feedback systems. Designed and developed ***image tracking*** programs for human independent motion recording of muscle cells and f-Actin protein molecules.

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Developed software to control a Laser Trap system using digital interface hardware. Experienced in the use of FFT for one and two dimensional filtering and smoothing. Responsible for installation and maintenance of all computer hardware. Assisted in the installation and maintenance of interdepartmental computer network.

Work Related Projects

* Developed and used software for the gathering of three dimensional data points from smooth muscle experiments recorded on video tape.
* Developed an IBM-PC based *digital oscilloscope* for use in acquisition and analysis of data recorded on FM recorder.
* Developed and used software for data gathering of electrophoretic gel experiments.
* Developed *human independent image tracking system* to calculate and record position information on Actin filament motion.
* Developed general purpose image manipulator for the filtering and presentation of pictorial data.
* Developed a *real-time PC-based system* to integrate experimental data taken from a Spectrum Analyzer for correlation calculations.
* Developed *PC-based Laser Light Trap interface* to control a acoustic modulator.

Research Assistant: Gathered and prepared data for publication. Wrote modeling software to explain aspects of muscle response.

end.