that is designed to put the active traders’ need for fast breaking information at their fingertips. Leading banks, brokerage firms, insurance companies use Micrognosis systems as their link to the world of financial information.

We have exciting opportunities for qualified professionals in the following areas:

**Software Manager**  
**Product Engineering**

You will be responsible for the supervising of project teams during all phases of software enhancements.

An ability to set and meet full project lifecycle goals and objectives in a highly technical environment is required. We expect you to have a solid knowledge of “C” and PLM operating under UNIX* in an on-line environment.

**Software Manager**  
**Research & Development**

You will direct project teams involved in the development of state-of-the-art, microprocessor-driven software for the Financial Services Industry.

You must possess strong analytical, conceptual and technical management skills and a knowledge of “C,” PLM and data communications under UNIX and VMS.

**Group Leader**  
**Software Systems Test**

You will be responsible for the verification, validation and evaluation of product and system releases.

You must have at least 6-8 years experience with a previous supervisory background, and experience in microprocessor-based systems with knowledge of VAX and microVAX, UNIX-based with “C” experience as a plus.

**Senior Systems Test Engineers**

Preferably, you should have 5-7 years experience in the design, implementation and test of microprocessor-based or VAX-based software systems.

A knowledge of various software systems test methodologies is required along with a knowledge of “C” and data communications under UNIX would be a plus.

**Group Leader**  
**Software Test Tools & Simulation**

To design, develop and customize test tools and simulation for microprocessor-based and VAX-based real-time distribution systems.

For this senior level position, with group leader responsibilities, you must possess 7-10 years experience and a knowledge of VAX, UNIX and “C.”

For all of the above positions a BSCS or BSEE or its equivalent is required or preferred.

**IT’S ABOUT TIME!**

Micrognosis can offer you an outstanding salary, comprehensive benefits and exceptional opportunities for professional growth.

Join a company that can provide real career momentum. It’s time to send your resume, indicating position of interest, salary history and requirements in confidence to: Vito Santoro, Manager of Staffing & Development, MICROGNOSIS, Inc., Dept. IES 1101, 100 Saw Mill Road, Danbury, CT 06810. An equal opportunity employer.

Applying technology to trading  
**MICROGNOSIS, INC.**

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**QUALITY TIME**

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prehensibility, modifiability, defect-proneness, and the like.

The future. Improving the use of software measurements requires that the relationship between the research and industrial communities continues to grow. The research process too often suffers from little resources. Industry can enhance its future benefits from better software measurement by considering itself as a critical resource that the research community must be able to access to improve both training and the external validity of empirical research. To avoid an empirical literature dominated by studies of student programming, industry must provide researchers with access to professional programming.

Companies that have supported a serious measurements program and have understood the importance of a research component will be able to reap the benefits of greater understanding, predictability, and control of their software life-cycle process.

**HUMAN FACTORS**

Continued from previous page

trials in a controlled experiment to determine that one way of presenting information to users results in faster performance than another arrangement.

Experiments and task analysis usually require strict controls. Questionnaires and field studies are, by nature, less robust. Iterative testing can be more or less robust depending on the degree of experimental control exercised during the test. A major advantage of iterative design is that the large problems are revealed early in the development process and smaller refinements are discovered after those have been corrected.

Working together. Human factors issues crop up at all stages of development. Therefore, the best results are obtained when system designers and human factors professionals collaborate throughout a design project. With human factors research, models, standards, guidelines, principles, methods, techniques, and tools, designers can make better, more objective decisions about how the system should work. Looking at the full range of human factors inputs makes it clear that the fit between human factors engineering and software development certainly is a tight one.