Computer Scientists and Software Engineers

Consider the opportunities that we have for a few exceptional software professionals in the San Francisco Bay Area. If you qualify, you’ll be working on research and advanced development projects. We have a strong program that blends IR&D, contracts, and internal projects at the leading edge of software technology.

**WHAT TECHNOLOGY ARE WE USING?**

Our current high technology contracts include:

- provably secure operating systems development
- personal data-base implementation
- computer network implementations

Some technology areas of particular importance to Western Development Laboratories are:

**UNIX** based Software Engineering
- PWB/UNIX
- Development support systems
- Software development tools
- Specification languages
- UNIX is a Trademark of Bell Laboratories

**Reliable Systems Technology**
- Formal specification & program verification
- Secure computer systems (design & implementation)
- Test and validation
- Automatic theorem proving

**Distributed Systems Technology**
- Data base management systems
- Real-time data collection/synthesis
- Local network architectures
- Network protocols
- Systems modeling

**Operating Systems Architecture**
- Capability-based systems
- Network systems
- Provably secure operating systems

**WHICH POSITION IS YOURS?**

**Systems Development Programmer**
You will use modern systems programming languages running in a PWB/UNIX environment to develop operating systems, software tools, DBM’s, and network implementations. These positions provide excellent opportunity for technical growth.

**Operating System Designer**
You will draw upon your experience with several operating systems, your academic training, and your ability to conceptualize and communicate in order to design and specify a new class of operating system. You will learn to express your design in a formal specification language and to subject your specifications to rigorous analysis.

**Computer Network Architect**
Your experience with various protocols (NCP, TCP, X.25, Ethernet) will allow you to lead design and implementation projects for high performance families of local area computer networks. Hardware experience is a plus.

**Software Test Specialist**
You will break new ground in design of test methods for provably secure systems. Using your familiarity with modern software testing methodologies, you will interact with the systems design team. As a result, you will become familiar with formal mathematical specification techniques for software.

**Software Methodology Specialist**
You will work in a PWB/UNIX environment to create tools to make the software development process more exact and less error-prone. Your major contribution will be the direction of research and development that leads to the next generation of software tools.

**Programming Language Specialist**
Your knowledge of modern compiler building technology and formal languages will be used in the evaluation and development of systems programming languages for use in support of our Reliable Systems Technology efforts.

**WHY ARE YOU WAITING?**

Please send your resume and salary requirements to: Professional Employment, Department JT-21, 3939 Fabian Way, Palo Alto, CA 94303. U.S. citizenship is required for most positions.

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*Ford Aerospace & Communications Corporation*

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