


**SYSTEMS SOFTWARE DEVELOPMENT**

Founded in 1984, Incremental Systems Corporation now seeks to expand its staff of senior software engineers. These are ground-floor opportunities in a company with ambitious technical and business plans.

**Challenging Projects**

We produce tools for the development and maintenance of large, long-lived, continuously changing real-time systems. Our technical goals emphasize software reliability, efficiency, and programmer productivity. Current openings are for these on-going projects:

- Ada® compiler front end
- distributed-target code generator
- distributed operating system
- interactive interfaces
- software development and maintenance tools

**Small-Team Approach**

Incremental Systems offers a cooperative atmosphere and a small-team approach, in which emerging ideas in software technology are transferred into practical products. We follow through on our commitment to thorough design, experimental computer science, and software quality. Our methods foster an informal atmosphere in which everyone learns and everyone contributes.

**About Pittsburgh**

Pittsburgh is fast becoming an important center for software research and development. It is also a good place to live. Pittsburgh offers pleasant neighborhoods, a moderate cost of living, and a wealth of cultural and recreational opportunities. Our offices are within easy walking distance of two major universities and three software-related research institutes.

**Our Requirements**

Our central requirement is an active, inquiring mind; initiative and self-motivation are essential. These positions require an M.S. or Ph.D. in computer science or a closely related field. Candidates should have a diversity of knowledge in systems software and the ability to adapt to new software technologies. Experience in programming language design, compiler construction, expert systems, human factors, code optimization, or systems architecture is particularly desirable.

If you can contribute to our effort, please write to:

**Incremental SYSTEMS CORPORATION**

Attention: Guy Mahaffey
319 South Craig Street
Pittsburgh, PA 15213

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Theodore D. Baker is a visiting professor in the Department of Computer Science at the University of Washington. He is on sabbatical leave from Florida State University, where he is a professor in the Department of Computer Science. He has spent much of the last four years leading the development of an Ada compiler development project at Florida State University.

Baker's current research activity is centered on developing technology for automating aspects of the design and implementation of hard real-time systems. His other research interests include programming languages and their implementation, the design and analysis of algorithms, and the theory of computation. His research in the latter area has concentrated in the area of relative and polynomial-time computability.

He received the AB degree in 1970, and the PhD degree in computer science, in 1974, both from Cornell University.

Baker's address is Department of Computer Science, University of Washington, Seattle, WA 98195.

Gregory A. Riccardi is an assistant professor and acting chairman in the Department of Computer Science at Florida State University. His current research focuses on compiler design and the Ada programming language.

Previously, Riccardi was an assistant professor of computer science at the University of Southwestern Louisiana. He received a BS in mathematics at Florida State University and MS and PhD degrees in computer science at the State University of New York at Buffalo.

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