Company: Apple Computer, Inc.
Title: High Performance and Numerics Engineer
Location: Santa Clara Valley, California

High performance and Numerics engineer position for Mac OS X math library development.

We are looking for a bright and energetic Numerics specialist who would like a new challenge.

The ideal candidate would possess excellent understanding and working knowledge of the Numerics Standard, processor specific hand tuning of BLAS and LAPACK along with processor architecture background.

Typical Responsibilities Include

- Design and implement specific numerics routines for a scalar and a vector processor
- Be familiar with ATLAS BLAS and its generation of high performance computational kernels
- Hand tune BLAS and LAPACK routines for specific processors
- Write and port processor specific FPU and vector validation and verification suites
- Help in resolving compiler performance bottlenecks with concrete solutions
- Vectorize the compute intensive parts of Mac OS X and its embedded technologies

Skills, Education and Experience Required

- Performance programming experience,
- Knowledge of HPC, ATLAS BLAS and LAPACK
- Detailed knowledge of the IEEE-754 Numerics Standard,
- Solid C and assembly programming skills,
- Working grasp of ISO C99 Numerics requirement,
- PhD in Computer science or equivalent experience,
- Highly professional, with the ability to deliver solid work on tight schedules,
- Demonstrated creative and critical thinking capabilities,
- A track record of shipping products.

Apple is recommitted to its original mission - better computers that make a difference. Come join us to think different, have fun, and be part of the adventure!