AUBURN UNIVERSITY
SAMUEL GINN COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING

Research Opportunities

A National Science Foundation (NSF) funded project has two research assistantships (RA) for qualified graduate students who will pursue the Ph.D. degree of Computer Science and Software Engineering at Auburn University. The goal of the project is to develop the first parallel disk system in which large parts of data and I/O processing are offloaded to multicore processors embedded in disk drives. The proposed techniques and mechanisms are highly adaptive to dynamic workloads with both large and small disk requests, making modern parallel disk systems leverage multicore processors to scale up to arbitrary size.

The research assistantships will start in the Fall 2009 semester and last up to August 2014.

The project description is available on the following website:
http://www.eng.auburn.edu/~xqin/research

Students interested to apply for this RA position should have advanced programming skills and experience.

REQUIRED qualifications include a solid background in operating systems and computer architecture.

DESIRED qualifications include:
- System/network/parallel programming and management;
- Interest in storage systems;
- Background in computer systems; and/or
- Interest in experimental computer system research.

Qualified candidates with a B.S. degree in Computer Science, Computer Engineering, Software Engineering, or closely related fields are encouraged to apply. Interested candidates should send a statement of research interests, CV, and a list of relevant undergraduate/graduate course work (with grades) to Dr. Xiao Qin at **xqin@auburn.edu.** The search will continue until the two RA positions are filled.

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