

Computer Science Internship

at Syracuse University

Summer 2008

Interested undergraduate students are invited to apply for an eight-week internship beginning June 2008. The intern will assist in an experimental study of in-place sorting methods and related calculations using unconventional heap structures and both standard and more recently discovered algorithms.

Intern Qualifications: The intern should possess a general background in computer science and have some acquaintance with the C programming language. The duties of the intern will depend somewhat on her/his programming background and experience, but in any case will include running experiments, collecting and tabulating performance data, and assisting (at the least) in adapting test programs for the various operating systems and hardware platforms involved in the study. An intern with a strong background in programming could work on additional tests and assist significantly in analyzing both experimental results and theoretical performance.

The Internship Experience: The internship will run for eight weeks, beginning no earlier than June 2, 2008 and ending no later than August 8, 2008. The work will be performed at Syracuse University under the supervision of the investigator. Working space will be provided in the Center for Science and Technology [CST]. The intern will work 30 hours per week, generally during normal business hours at CST, over four or five working days each week. The intern will submit weekly reports on activity and progress and should maintain a journal (or blog) recording activities as well as impressions of and reflections on the internship experience.

Funding: Funding is not generally available for this position. However, students eligible for support under the ULSAMP program may wish to explore that option. Information is available at ulsamp.org (see Syracuse University, ULSAMP Summer Internship 2008 announcement and application).

To Apply: Send email to Professor Ernest Sibert (eesibert@ecs.syr.edu) with a summary of qualifications and relevant experience. Applicants will be notified by return email within one week. If you intend to apply for ULSAMP support, indicate that in your email. Please note that you must apply directly to ULSAMP to request funding. ULSAMP applications must be submitted by May 15, 2008.