

Project Information

Project Title: Integrating the Sun Platform in the CS Curriculum

Project Budget: \$40,000.

Project Start Date: Summer 02/Fall 02 semesters, depending upon receipt of equipment
08/01/02

Project End Date: approx. 6-10 months following start of project, i.e. Spr03/Sum03
08/01/04

What is the nature of the request?

The request is for Sun equipment for one educational computer laboratory. The main purpose of the request is to provide computer science students with the opportunity to integrate Sun technologies in their educational experience. We believe this will enhance and widen their technical skills and marketability as future IT professionals. Sun technologies will be infused into the current graduate as well as undergraduate curricula. Sun technologies provide our students with a unique exposure they are currently lacking (i.e. enterprise technology, scalability, etc.). We intend to make Sun technologies, as well as other commercial and non-commercial Sun-related technologies, an integral part of the educational experience of our students. To that end, we are requesting equipment to outfit a small computing studio with 20 workstations and 2 supporting servers.

Project Background

The Department of Computer Science maintains a large Windows/Intel-based computing environment for use by its students and faculty. The Department recognizes that the heterogeneous nature of today's industry computing environments demands computer science graduates to have experience with varied computing environments. Moreover, computer science accreditation standards, as defined by the ABET/CAC, recommend at least two uniquely different hardware/software platforms/environments be part of the educational experience of students. As such, we wish to enhance the educational experiences of our students by providing the opportunity to gain experience with an additional computing environment. Students will experience Sun technologies in courses such as: software engineering (CS 3211, CS 3212, CS 6241 & CS 6242; operating systems (CS 4220, CS 6221 & CS 6222); networks (CS 3260, CS 6261 & CS 6262); computer architecture (CS 3100, CS 6211 & CS 6212); and web technologies (CS 4980, CS 6251 & CS 6252). We believe such exposure to Sun technologies enhances the overall educational experience of students.

Equipment Requested

14 SunBlade workstations