UC SANTA BARBARA CAPSTONE PROGRAM OPPORTUNITIES

Computer Science Capstone Program

OVERVIEW:

Companies having projects related to distributed computing, networking, mobile computing, embedded systems, data mining, or security would benefit from proposing Computer Science Capstone projects. If a proposed corporate project is selected, a group of highly talented senior students working with cutting-edge software technologies will tackle the project and design and engineer an innovative software solution. Currently all Computer Science capstone projects are restricted to the creation of software only, although in the future companies may also be able to propose projects with a hardware component. The project proposal process begins during the fall quarter and projects are completed by the following June. This year’s Capstone Demo Day and celebration at UCSB will be held on March 4th, 2016. Each team is comprised of 4-6 students, working approximately 10 hours per week during two academic quarters. Participating companies are asked to make a gift of $2,500 if their project is selected, to cover the costs of the project.

PAST GROUP PROJECTS:

Clever Contacts: Utility for synchronizing contacts between cell phones and PCs.
CrowdWise: Service that utilizes Amazon’s Mechanical Turk to answer questions related to pictures in an efficient manner.
Cyborg: Transcribed voicemail application incorporating SMS and email on Google’s Android mobile device platform.
Eucalyptus Systems: System for securely adding authenticated computing nodes to the Eucalyptus cloud platform
TeamSync: Software system that enables teams to manage, share, modify, and synchronize files at any location.
Vdoop: Allows a user to easily define, launch, and manage a large cluster of virtual machines, running on top of a small physical cluster, or even a single machine using the XEN virtualization technology.
WingMan: Open-source, in-car assistant and entertainment system.

PROPOSAL PROCESS:

Interested companies should contact Chris Russo, who spearheads the Chemical Engineering Capstone program, at any time to start discussing potential project ideas. Summer may be an ideal time to work with Chris to start brainstorming and refining potential project ideas. Contact by August 1st, 2015 to participate in the Capstone Programs for the 2015-2016 school year.
SELECTION PROCESS:

Participating companies will be invited to attend the CS Capstone ice breaker Friday, September 25th, 2015, from 4-7PM to give a 15-minute presentations about their proposed projects to students during the first week of classes in September (Project Selection Week).

After presentations are given during Project Selection Week, students will choose the projects that they are interested in and form project teams. Teams typically consist of at least 4 students, and a project will not move forward if there is insufficient student interest. Students tend to gravitate towards projects that involve the creation of cutting-edge software on a clearly defined timeline. Team and mentor pairings will be announced by September 28th, 2015.

8-10 companies typically pitch projects each year, from which an average of 5-6 have historically been selected.

CONTACTS:

Any organization interested in proposing a project should email Chris Russo at: crusso@engineering.ucsb.edu