Computing Power for CS classes
Animation lab and virtual computers

Our mission is to provide computing resources and labs for students in EE and CS courses. These are projects that will create innovative learning environments and added capacity for the most advanced computing tools.

Lab renovation for CS programming and animation classes

Our computer lab in 200 Sutardja Dai Hall is a highly visible glass-enclosed space that is shared by a diverse set of programming classes and an award-winning student-led animation class. We recently installed new audio-visual displays at a cost of $13K.

It is overdue for a remodeling to replace the 10-year old workstations and to provide a seating arrangement that is suitable for the new style of group and collaborative learning. The renovation would include new high-end workstations, new tables and chairs, improved lighting, whiteboards, cable control, security devices. Estimated total: $100,000.

Server upgrades for student virtual environments

We run physical servers (hypervisors) that host virtual machines or containers. These are used by the teaching staff of EECS courses to run autograders, office hours schedulers and other course-related applications. Our 2 DELL R710 servers (c. 2014) are limited by their network speed, disk storage and disk capacity.

We wish to add faster networking, disks, and a UPS to these servers so they can host applications for more courses as well as for student projects. We plan to provide pre-configured virtual machines for students in specific courses. The virtualization servers we run include Microsoft Hyper-V, Linux libvirt and Jupyterub. Estimated total: $15,000.