Undergraduate Research Assistant Wanted

The ENGAGE Research Project at UCLA's Institute of Environment and Sustainability investigates how real-time energy consumption feedback can be used as an effective tool for energy conservation. This cross-disciplinary study is among the largest energy conservation studies in the US. More information can be found at http://engage.environment.ucla.edu

Currently, ENGAGE is looking for an undergraduate (*preferably majoring in Computer Science*) research assistant to join aboard the Smart Meter Project, which is in charge of managing the energy metering equipment that is installed in the UCLA University Apartments.

Ideally, the candidate will be able to start as soon as possible since support is currently needed. There is no strict time commitment (can be as little as 1-2 hours a week) but long term commitment would be strongly desired as we are looking for someone who can continue into the next quarter (and beyond, maybe).

Most importantly, this is a technical position so the ideal candidate will have some of the skillset listed below (but don't hesitate to apply even if you have limited experience)

· Familiarity with embedded systems and working with both hardware and software

· Familiarity with "openwrt" / "dd-wrt" networking software

· Familiarity with linux and configuration

o Specifically, experience working with corrupt file systems and flash devices (USB drives). For example, mount/unmounts of "ext2"/ "ext3" and file system tools such as "fsck"

o Understanding package managers is a plus (for example, "opkg", or others such as RPM, etc)

· Familiarity with VPN/telnet/ssh, networking, router configuration

· Experience debugging / troubleshooting

· Undergrad in Computer Science

· LAMP (linux, apache, MySQL, Perl) and unix scripts

o We are particularly interested in experience with Perl

Note that this is an unpaid, volunteer position but research credit can be arranged.

Interested applicants should email resumes to Tommy Tam at mingtam@ucla.edu