Matlabu Chifai

A Medical Record System for Boarding Schools and Hospitals in Senegal

(in collaboration with the TIER group Prof. Eric Brewer)

Description

Quality healthcare is one of the major challenges of the developing world. In most parts of Africa healthcare systems are very rare, and in many other parts of the world healthcare systems simply do not exist.

One key issue that has leads to this situation is the **lack of a usable healthcare information system.**

To remedy this problem, UC researchers have developed a simple and very practical Medical Record System (MRS) called **Matlabu Chifai**.

Matlabu Chifai is already being used by hospitals and boarding schools in Senegal with great results.

Matlabu Chifai is designed to be an *easy to use* solution for organizations that lack the technical skills needed to run a typical MRS. This is the project's main differentiator from other MRS systems and the reason it has already been such a success: it is built for nontechnical users.

We are seeking talented students who are interested in working on a project that will have a huge positive impact in developing regions of the world. Positions are open both for class project and for CS199 units. Students from all background are encouraged to apply; however, strong programming skills and/or public health background will be a plus.

Skills (needed or willing to learn)

- Ruby on Rails (RoR)
- Some exposure to the Flex framework
- Database modeling
- html, Javascript
- Interest in Information and Communication Technologies for Development (ITC4D)
- Public Health

If Interested, Please Contact

Assane Gueye agueye@eecs.berkeley.edu