Student Web Developer

**Employer:** University of Arizona (BIO5 Institute)  
**Division:** BIO5 Institute  
**Title:** Student Web Developer  
**Description:** The iPlant Collaborative (iPlant) is a fast-paced, NSF-funded project to develop an advanced cyberinfrastructure to facilitate the solutions of grand challenge problems in plant sciences. iPlant has an opening for a student web developer. The selected individual must be highly motivated and willing to learn new technologies. Graduate and undergraduate students are welcome to apply.

**Duties and Responsibilities**

* Designing and implementing extensions for Joomla Content Management System and other web applications according to the schedule and specifications by iPlant staff  
* Developing user interface prototypes for new features; implement dynamic user interfaces using Mootools, JQuery, or other javascript library as specified by iPlant staff  
* Helping create test plans for Joomla extensions and other web applications; working with Core Infrastructure support staff to resolve issues encountered during testing  
* Writing technical documentation, such as use cases and design specifications  
* Performing code reviews with iPlant Staff  
* Evaluating open source web applications; recommend integration points between existing and potential software systems; implementing systems integration  
* Responding to technical support requests as necessary  
* Designing or reconstructing database schemas; producing Entity Relationship (ER) diagrams; implementing conceptual database designs in MySQL, Postgresql, or Oracle

**Location:**

<table>
<thead>
<tr>
<th>Location</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>Tucson</td>
</tr>
<tr>
<td>State</td>
<td>Arizona</td>
</tr>
<tr>
<td>Country</td>
<td></td>
</tr>
</tbody>
</table>
Position Type: Summer
Salary Level: $14-$19/hr DOE
Job Function: Computer & Statistics Related, Science or Research Related
Desired Start Date: May 18, 2009
Approximate Hours Per Week: Up to 40 hours/week

Qualifications:
* Must have 2 years of web development experience
* Must have demonstrated experience with developing dynamic web applications in PHP
* Must have experience and strong understanding of XHTML/HTML, CSS, and web standards
* Must have an excellent understanding of usability and user interface design
* Experience with using javascript libraries, such as MooTools or jQuery, is preferred
* Experience with writing extensions to Joomla or other open source web applications is preferred
* Experience using open source development tools, such as Eclipse, Subversion, and Trac, is preferred
* Excellent communication skills
* Excellent problem solving skills
* Must be able to prioritize tasks and work with minimal supervision
* Must have an excellent customer service attitude
* Experience with deploying web applications within a UNIX environment is preferred