

**Position:** Intern

**Duration:**  $\geq 4$  weeks

**Location:** Work from home

**Start date:** ASAP

SimInsights is looking for an intern who can implement a front-end for a web application for collaborative simulation of mechanical objects. The web application is being developed to provide proof of concept which will help secure strategic partnerships with educators, investors and government funding agencies such as the National Science Foundation (NSF).

### **Responsibilities**

1. Development of a web front-end for a collaborative mechanics simulation app
2. Some system administration functions

### **Qualifications**

1. Enrollment at UCLA in graduate or undergraduate program.
2. Strong programming skills in Java, HTML/CSS and Javascript.
3. Familiarity with AJAX, REST and JSON techniques.
4. Web application development and simulation experience a plus.
5. Interest in math and mechanics a plus.

### **About Us**

SimInsights is an early stage startup founded by a UCLA MBA student with the mission to develop collaborative web based simulation software to radically enhance the understanding of mechanics concepts among students as well as the general population. Why mechanics? Because mechanics applications are ubiquitous yet also require math for a deeper understanding. We believe that there is no better subject for teaching mathematical modeling and nurturing mathematical intuition. By promoting genuine understanding of mechanics concepts, SimInsights will better prepare students for STEM careers and also prepare the general population to better understand complex scientific issues and make wise decisions. A basic prototype was realized last summer and our next milestone is a public alpha launch this quarter. Our product roadmap also includes Android port, multi-touch interaction and semantic web technologies.

### **What we offer**

Although SimInsights currently has no office, products, customers or revenues, we do have a very interesting idea which has received strong encouragement from world's leading mechanics researchers and educators. If you are passionate about simulation, education, web applications and entrepreneurship, then this position will likely be a good fit. Past interns have reported high satisfaction levels with their learning experience. You will have freedom in implementation and will be encouraged to "own" the project. This is an unpaid position with possibility of references and future employment. If you join early, you may also have the opportunity to be part of our business plan team for the 2010 Knapp Venture Contest.

### **How to apply**

Email cover letter and resume to [rkjha1@gmail.com](mailto:rkjha1@gmail.com).