

**Position: Web/mobile development intern (unpaid)**

**Duties:** The web/mobile developer will help to improve the web presence of the FrameNet project, providing a cleaner and simpler presentation of the project and the FrameNet lexical database. The goal is to develop a mobile-friendly website first, and then to port as much of the functionality as possible to a mobile app. Both should provide an interactive experience for visitors/users from a wide variety of backgrounds, incorporating software based on FrameNet which has been built by colleagues elsewhere, and providing suitable opportunities for user input to the development of FrameNet.

The intern will be expected to work closely with members of the FrameNet team to learn about the database and the existing website, and attend the weekly FrameNet staff meetings, but also to work independently in building the new site and app. Depending on the results of the internship, a paid position may be available.

**About FrameNet:** FrameNet (<http://framenet.icsi.berkeley.edu>) is a research project at the International Computer Science Institute (ICSI, <http://icsi.berkeley.edu>). Our goal is to create a lexical database for the core English vocabulary that will be both human- and computer-readable, and provide detailed, in-depth information on how words are used in sentences. The FrameNet database is already used by hundreds of researchers and developers in Natural Language Processing (NLP), as well as commercial and government NLP and text mining applications. We are currently working on a Multilingual FrameNet project, linking together similar lexical databases for many major languages. Computational linguistics researchers have built frame semantic role labeling systems (also known as semantic parsers) based on FrameNet (for example, the [SEMAFOR system](#) at CMU) which are leading the way to deeper natural language understanding in many languages.

**Location:** The intern will be working mainly at ICSI, an independent research institute home to roughly 50 active researchers in all branches of computer science, particularly networking and security. ICSI is at 1947 Center St., Berkeley, CA 94704, about 5 minutes' walk from BCC.

**Hours:** 10-20 hours/week, flexible, as mutually agreed.

**Job requirements:** Basic coursework in computer science, good knowledge of data structures, relational databases, and web design. Experience building front ends using a variety of languages and techniques and familiarity with Linux are also important. Must be a current Berkeley City College student.

**How to apply:** Please send the following three PDF files:

- (1) A one-page cover letter
- (2) Your resume (not limited to one page!), detailing related experience
- (3) A copy of your latest transcript(s) showing course titles and grades, including current courses

as e-mail attachments to

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**Deadline for applications: Friday, June 2, 2017**