



PEER

PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER

RESEARCH INTERNSHIP OPPORTUNITY SUMMER 2013

The Pacific Earthquake Engineering Research Center (PEER) is pleased to offer unique opportunities for outstanding undergraduate students to participate in state-of-the-art research focused on the theme of **Engineering Earthquake Resilient Communities**.

Recent earthquakes in the US and around the world have repeatedly shown that earthquake resilience is essential to building and sustaining urban communities. Earthquake resilience will play an increasingly important role in the professions associated with earthquake hazard mitigation, and the ten-week 2013 PEER Summer Internship Program will allow you to experience how many different engineering and social science disciplines interact to research the broad goal of earthquake resilient communities.

Each participant will receive a stipend of \$7,000, intended to cover summer housing and travel expenses to the summer project location. PEER will provide additional compensation for travel to an orientation Workshop at UC Berkeley and to the 2013 PEER Annual Meeting in October.

The first **application deadline is February 25, 2013 at 12:00 pm Pacific Time**. Application review will begin on Feb 25 and continue on a rolling basis until all internships are awarded. Applicants are encouraged to apply before Feb 25.

This program is supported with funding from the National Science Foundation.



Requirements:

- Interest in earthquake engineering & earthquake hazard mitigation
- High level of academic performance (generally a GPA of 3.0 or higher)
- U.S. citizens or permanent residents
- Available 40 hrs/week for 10 weeks from June 17, 2013 – August 23, 2013

Research Locations:



UCDAVIS

University of California, Berkeley
University of California, Davis
University of Washington

Research Topics:

- Risk Analysis of Levee Systems
- Bridge and Transportation Systems
- Bio-Cementation of Sands for Liquefaction Prevention
- Liquefaction of Intermediate Soils
- Seismic Performance Assessment of Existing Steel & Concrete Structures
- Seismic Mitigation Planning for Cities

Research Disciplines:

Structural Engineering
Geotechnical Engineering
Risk Analysis
Public Policy & City Planning



A complete description of the program, eligibility requirements and application instructions, as well as other PEER Education Program opportunities, can be found at <http://peer.berkeley.edu/education/internships.html>