

You can access the internship opportunities below at AIP's [InternLink](#) site.
Engineering Internship, Hyundai Translead

Position Type: Academic Internship

Location(s): San Diego, California (United States)

Hyundai Translead, a leader in the North American transportation equipment industry, has an excellent internship opportunity available for an engineering student in their junior or senior year. The position is located at our corporate headquarters in San Diego, CA. Participants in the program will be assisting the Engineering Group with their Standardization Project. There are several components to the project and the intern will meet and collaborate with multiple departments within the group. The core of the internship position's responsibilities will be in the Research and Development Department assisting in the creation of new 3D models and technical drawings using AutoCAD and SolidWorks. This will be an international study, as our manufacturing facility is located in Tijuana, Mexico. There may be an opportunity to travel to the facility with members of the Engineering Group to review stress, impact, destructive, heat transfer and thermodynamic tests to verify product strength and durability. Participants will also gain knowledge and experience working with the ERP system SAP creating Bills of Materials and Material Masters.

Position Function: Engineering

Skeletal Image and Mechanical AnalysisLa Jolla Bioengineering Institute

Position
Type: Academic Internship

Location(s): San Diego, California (United States)

Internship
Description: The candidate will work with the Bone Remodeling and Disuse group at LJBI, investigating the mechanisms of exercise and loading on the remodeling of the skeleton. The candidate will use open-source and proprietary software to analyze cat-scan and other x-ray images of mouse bones, and assemble the data for publication. In addition, the candidate will apply a custom device to measure mechanical properties of the bones.

Position
Function: Engineering, Laboratory Research, Research and Development (R&D),
Research/Analysis

BioTech Clinical Research (Engineering & Biochem)TearLab Corp.

Position Type: Academic Internship

Location(s): San Diego, California (United States)

Work directly with the Research & Development and Clinical Operations Teams: Assist the Research & Development team in tasks leading to improving the design of the chips and reader. Assists the Clinical Operations team in clinical research, organization, preparation, execution, and data analysis of research trials in clinical settings and to meet FDA regulations. Also interpret data, conduct statistical analysis, assess mechanical discrepancies & learn about the anatomy of the eye and the composition of tears in order to understand the medical device. Will have opportunity to learn about and work with different members of the healthcare community to explain the device and help them in qualifying their labs for use.

Internship
Description:

Strong with familiarity with Microsoft Office, especially Excel Must have completed some coursework in engineering, biology, or chemistry or business. Must be available at least 10 hours a week Monday - Friday to dedicate to this position - flexible schedule preferred. Must be able to work quickly with the ability to meticulously document test results and conditions. A successful candidate will be enthusiastic, creative, resourceful, and comfortable communicating questions, results, and accomplished tasks to their teammates.

Skills and
Qualifications:

Caltrans Structural & Civil Engineering Field Internship

Position Type: Academic Internship

Location(s): San Diego, California (United States)

**Internship
Description:**

Special projects can be developed based on current needs and students skills/interests. Cal Trans is a government entity managing transportation infrastructure and planning for the state. Opportunities include interning under the supervision of the Bridge Engineer in a learning capacity to assist the Offices of Construction in their everyday operations. Field engineering work involves surveying, sampling, & testing of materials, verifying materials incorporated into structures comply with the contract documents, verifying field dimensions for structures in construction (structures include bridges, walls, buildings, barriers, drainage structures, sign structures, etc.). Office work involves calculating grades deflection, stress alignment and quantity estimates; calculating to check elements of structures (beams/columns) used in temp structures; record keeping, filing records pertaining to construction progress including daily reports, monthly pay estimates, etc.

**Skills and
Qualifications:** Transportation engineering, civil/structural engineering, environmental engineering; occasionally chemical/electrical/ mechanical engineering

Scripps Immunohistochemistry & Physiology - The Scripps Research Institute

Position Type: Academic Internship

Location(s): La Jolla, California (United States)

Internship Description: Training in basic immunological & physiological techniques in atherosclerosis, lab safety & mouse handling training, learn immunohistochemistry, in situ confocal microscopy, en face arteric lesion analysis, sinus valve lesion volume analysis, cell culture, flow cytometry, PCR, & Elisa Techniques. Student will assist in goal of understanding how toll-like receptors (TLR's) participate in atherosclerosis. Specifically, we are investigating which TLR4 deletion is atheroprotective in a mouse model susceptible to atherosclerosis. We will address whether endothelial cells or macrophages are important for this process, and which signaling pathways are involved.

Lab Intern, Sanford-Burnham Medical Research Institute

Position Type: Academic Internship

Location(s): San Diego, California (United States)

The project will involve the investigation of the efficacy of stem cell homing. For this project, under the guidance of the supervisor, basic laboratory skills, experimental skill sets, and histological techniques will be taught.

Internship Description: List of skills that will most likely be taught:

Basic laboratory skills: Solution preparation, Lab notebook organization, Laboratory management

Experimental skill set: PCR, QPCR, RT-PCR, Western Blot, Cell culture

Histology: Immunofluorescence, Histology, Sample preparation for histology

Industry: Biotech & Pharmaceuticals

Veterinary Assistance Internship-Animal Hospital, The Animal Hospital of La Jolla

Position Type: Academic Internship

Location(s): La Jolla, California (United States)

Internship
Description:

Communicate with animal owners, advising them on basic animal care and preparing them for dealing with aftermath of surgeries and procedures as well as informing them/updating them about what to expect. Check in/out patients. Perform basic lab procedures. Assist in exam rooms and with surgeries. Prep equipment; administer oral meds, vaccines & injections (under supervision). Clean, feed, and bandage animals. Run diagnostic equipment and run x-rays under direct guidance. Restrain animals during procedures; prepare medical pack. Monitor vitals during operations. Monitor eating/defecation during recovery. Identify & retrieve instruments during operations & procedures. Update medical records.