

DES Architects + Engineers, a leading design firm in the Bay Area who believes in staff mentoring and continuing education, and provides an environment that nurtures growth and career advancement. DES offers a competitive salary and benefits package, flexible work schedule plus lots of fun events and special services. We are presently looking for dynamic individuals for the following position:

Job Title: Structural Engineer-in-Training

Position: Full-time

Job Location: Redwood City, CA

Job Description:

Work on structural engineering of commercial, healthcare, educational and mixed-use projects through various phases including schematic design, design development, construction documents, bidding and permitting, construction phase services, and project closeout; work on wide variety of building projects, including complex geometry structures, commercial, institutional and educational buildings; perform site visits and conduct surveys to document and evaluate existing systems and determine engineering strategies for renovation; check Revit models for clearances, potential conflicts, and relationships of the various parts to the whole and to one another. Coordinate with the work of other disciplines; implement and utilize Best Practices for projects and processes; actively seek new knowledge related to structural engineering practices, principles and regulations changes for various building codes and standards including International building Code (IBC), American Society of Civil Engineers (ASCE 7), American Concrete Institute (ACI), Building Code Requirements for Masonry Structures, American Institute of Steel Construction (AISC) and California Building Code (CBC); take personal responsibility for fostering a green workplace through sustainable work practices; perform structural design and analysis for various structural materials, including steel, concrete, timber and concrete masonry; make informed decision in selecting appropriate construction materials; perform seismic analysis and design for building structures in high seismic zones; use state-of-the-art structural Finite Element analysis programs including ETABS, SAFE, RAM, RISA and SAP2000 to perform nonlinear & dynamic analysis as well as seismic response calculations; prepare conceptual and detailed designs, design criteria reports, design reports, drawings, and quality assurance reviews and performs site inspections; provide direction for and review models, plans, details and drawings of structural engineering systems and components according to established standards and Revit modeling techniques, based on engineering analysis and input from the design team; design the foundations of various complex structures based on recommendations provided in the geotechnical report; perform gravity and seismic analysis and design of commercial equipment's anchorage to structural system; organize and maintains analytical models, calculations and other documents for multiple projects; utilize knowledge and experience in applying engineering principles for complete and accurate code compliant drawings; lead and manage structural engineering tasks in accordance with scope, schedule, budget and procedures to ensure successful project completion; provide technical guidance and engineering support for construction activities including review of technical submittals, response to contractor's requests for information and response to plan check comments from building department; obtain building department approvals; make technical assumptions, think independently to complete assigned work, and draw engineering conclusions; participate as a team member, contributing ideas and possible solutions,

and leading on issues where appropriate; work in integrated design team and collaborate with multiple practices across and outside the firm.

Job Requirements:

Bachelor of Civil Engineering or Structural Engineering or foreign equivalent and California Professional Engineer license in Civil Engineering plus 2 years of experience to include working on structural engineering of projects through various phases including schematic design, design development, construction documents, bidding and permitting, construction phase services, and project closeout; performing site visits and conduct surveys to document and evaluate existing systems and determine engineering strategies for renovation; checking models for clearances, potential conflicts, and relationships of the various parts to the whole and to one another. Coordinate with the work of other disciplines; implementing and utilizing Best Practices for projects and processes; actively seeking new knowledge related to structural engineering practices, principles and regulations changes for various building codes and standards including International building Code (IBC), American Society of Civil Engineers (ASCE 7), American Concrete Institute (ACI), American Institute of Steel Construction (AISC) and California Building Code (CBC); performing structural design and analysis for various structural materials, including steel, concrete, and timber; making informed decision in selecting appropriate construction materials; performing seismic analysis and design for building structures in high seismic zones; using state-of-the-art structural Finite Element analysis programs including RISA to perform nonlinear & dynamic analysis as well as seismic response calculations; preparing conceptual and detailed designs, design criteria reports, design reports, drawings, and quality assurance reviews and performs site inspections; reviewing models, plans, details and drawings of structural engineering systems and components according to established standards, based on engineering analysis and input from the design team; designing the foundations based on recommendations provided in the geotechnical report; performing gravity and seismic analysis and design of heavy commercial equipment's anchorage to structural system; organizing and maintaining analytical models, calculations and other documents for multiple projects; utilizing knowledge and experience in applying engineering principles for complete and accurate code compliant drawings; leading and managing structural engineering tasks in accordance with scope, schedule, budget and procedures to ensure successful project completion; providing technical guidance and engineering support for construction activities including review of technical submittals, response to contractor's requests for information and response to plan check comments from building department; obtaining building department approvals; making technical assumptions, thinking independently to complete assigned work, and drawing engineering conclusions; participating as a team member, contributing ideas and possible solutions, and leading on issues where appropriate; working in integrated design team and collaborate with multiple practices outside the firm.

If you meet the minimum qualifications listed above, we encourage you to apply with your resume and cover letter and reference #SEIT1 at: jobs@des-ae.com

About DES: For 40 years, DES Architects + Engineers, Inc. has created working, learning, and healing environments for people. As a full-service design firm headquartered in Redwood City, California, DES provides creative and sustainable solutions that serve the needs of clients in life sciences, technology, healthcare, education, municipalities, and the development community. In-house professional services include architecture, interior design, civil and structural engineering, landscape architecture, visual communications and LEED coordination. The company's staff

values collaboration to achieve design excellence, applying creativity to each client's unique vision.

As one of the top planning firms in the San Francisco Bay Area, DES offers an integrated project approach that leads to increased accuracy, quicker project delivery, and a better use of valuable resources.