

DES Architects + Engineers, a leading design firm in the Bay Area, 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:

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## **JOB TITLE: ARCHITECTURAL DESIGNER**

JOB LOCATION: Redwood City, CA

### **JOB DESCRIPTION:**

With preliminary direction from a licensed architect, participate in public agency meetings, multidisciplinary consultant charrettes, site investigations and community engagement activities throughout the project life cycle to gather information and issues that impact proposed project; develop architectural drawing production for all design phases, schematic design through construction documents including documenting architectural plans, elevations, and details in imperial or metric standards for jurisdictional agency corrections using AutoCAD, Revit, SketchUp, Rhinoceros, Grasshopper, and related modeling software; meet with client representatives for presentations and workshops, analysis of goals and needs, develop programmed space spreadsheets, narrative summaries, room data sheets, adjacency diagrams, graphic content, and prepare written communication related to design ideas, project documentation and contracts; translate client's functional and spatial requirements for structures into feasible design solutions, incorporating custom detailing, structural engineering principles, LEED sustainable design principles and building systems into architectural designs; comply with California Building Codes, ADA Accessibility Codes and zoning ordinance to develop solutions for complex design problems; assist in establishing task schedule and manpower requirements to meet project goals, deadlines and long term needs; maintain well-organized project digital and physical files in accordance with office filing standards and coordinate project documents, transmission and all electronic communication utilizing eBuilder and Newforma software (project information management software); use Revit to develop building information modeling (BIM) process workflow for integrating large-scale multiple models together, and resolving coordination conflicts with multiple architectural and consultants' models; apply own judgment, analysis and computer skills to develop 3D building computer models and presentation images; set-up automated parametric optimization workflows using available and custom developed scripts to connect 3D modeling tools, building environmental analysis tools and evolutionary optimization algorithms to optimize the building shape and/or building envelope and provide quick feedback on the performance to rest of the design team; produce virtual design simulations to integrate collaborative work flow from project team and to identify design conflicts using the intelligence of the software and communicate solutions for design development; assist in the implementation of firm-wide strategies and collaborate with design teams to provide support and guidance firm-wide, and focus on sustainable design implementation in office design, urban design, transportation, retail and high-rise buildings, including new construction, renovation, parking garage, and unit plans; coordinate conceptual design drawings with mechanical, electrical, plumbing, fire protection (MEP/FP), civil, structural, lighting, A/V, telecom, graphics, interiors and landscape consultants to incorporate building systems into architectural designs to produce construction documentation and secure client and regulatory approval; develop technical details and coordinate with consultants, contractors, fabricators, regulatory agencies and other vendors; obtain materials' cost estimates from outside vendors, and present samples to Design Director or Project Manager for selection and approval; research new materials, design strategies and construction practices that support energy conservation and sustainability goals based on existing environmental conditions; prepare and incorporate weather data analysis to identify passive design potential based on the local climate and building use to minimize building energy needs and maximize the energy savings; analyze daylight simulation in SketchUp, Revit and Tally to improve space daylight quality and glare risk at early design phase, and prepare energy simulation models using EnergyPro, Ecotect, HEED, and eQuest; provide ongoing development and support for all sustainable design platforms and work closely with design and delivery leadership to guide the transition from traditional sustainable design process and standalone environmental analysis practices into integrated design and analysis processes in collaborative work environments; apply architectural principles to review all related shop drawings, samples, mock ups, product data and cut sheets on materials & equipment, and record the issues with a corrective action report or non-conforming work notice; participate in the review and evaluation of products, submittals, issues, and concerns for coordination with

construction drawings; process general contractor's requests for information (RFI's), submittals, and change order requests; assist in responding to Requests for Qualifications (RFQ's), Requests for Proposals (RFP's) and design competitions; participate in marketing efforts and preparation of promotional material and presentation package for potential clients; conduct site visits, field observation and meetings to review the progress of construction, and assist in preparing punch lists, record drawings, final inspections, and certificates of substantial completion; participate in Construction Administration for projects and works with project leaders on issues affecting budget, construction costs, schedule, and legal/liability related issues for the Firm; conduct post-occupancy evaluation and review of clients' use of space.

#### JOB REQUIREMENTS:

Bachelor's degree in Architecture or foreign equivalent plus 2 years of experience to include developing architectural drawing production for all design phases, schematic design through construction documents including documenting architectural plans, elevations, and details in imperial or metric standards for jurisdictional agency corrections using AutoCAD, Revit, SketchUp, Rhinoceros, Grasshopper, and related modeling software; translating client's functional and spatial requirements for structures into feasible design solutions, incorporating custom detailing, structural engineering principles, LEED sustainable design principles and building systems into architectural designs; complying with State Building Codes, ADA Accessibility Codes and zoning ordinance to develop solutions for complex design problems; maintaining well-organized project digital and physical files in accordance with office filing standards and coordinating project documents, transmission and all electronic communication utilizing eBuilder and Newforma software; using Revit to develop BIM process workflow for integrating large-scale multiple models together, and resolving coordination conflicts with multiple architectural and consultants' models; applying own judgment, analysis and computer skills to develop 3D building computer models and presentation images; producing virtual design simulations to integrate collaborative work flow from project team and to identify design conflicts using the intelligence of the software and communicated solutions for design development; assisting in the implementation of firm-wide strategies and collaborating with design teams to provide support and guidance firm-wide, and focusing on sustainable design implementation in office design, urban design, transportation, retail and high-rise buildings, including new construction, renovation, parking garage, and unit plans; researching new materials, design strategies and construction practices that support energy conservation and sustainability goals based on existing environmental conditions; preparing and incorporating weather data analysis to identify passive design potential based on the local climate and building use to minimize building energy needs and maximize the energy savings; providing ongoing development and support for all sustainable design platforms and working closely with design and delivery leadership to guide the transition from traditional sustainable design process and standalone environmental analysis practices into integrated design and analysis processes in collaborative work environments; applying architectural principles to review all related shop drawings, samples, mock ups, product data and cut sheets on materials & equipment, and recording the issues with a corrective action report or non-conforming work notice; processing general contractor's RFI's, submittals, and change order requests; participating in marketing efforts and preparation of promotional material and presentation package for potential clients.

PLEASE REFERENCE: AD/1 @ jobs@des-ae.com

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**About DES:** For 40 years, DES Architects + Engineers, Inc. has created working, learning, and healing environments for our clients. 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.