Eckersley O`Callaghan

Job Description

Job Title: Computational Designer
Reports to: Structures | Facades Lead and Director
Job Purpose: Our relatively new but growing office in Noida is looking for a Computational Designer, with a range of parametric and thermal design expertise, to work on a variety of international and local projects, ranging in both scale and scope.

Eckersley O'Callaghan is one of the most innovative engineering design firms in the world, with a global reputation cultivated through a commitment to research and creative thinking. We enjoy working with a range of materials, forms and building types across diverse sectors and project scales to deliver imaginative solutions. Our multiple award-winning collaborations with forward-thinking architects such as Foster + Partners, Zaha Hadid Architects and Heatherwick Studio, for clients that include Apple, Google, Vitsoe and Bulgari, have placed us at the forefront of design in structures and facades. Our commitment to sustainability, digital design, and continuous research and development remains at the core of our approach.

We offer a stimulating work environment with enthusiastic, intelligent, hard-working colleagues, and support personal development through training and project opportunities. Our principal office is in London, with other offices in Manchester, Paris, Milan, New York, Los Angeles, San Francisco, Delhi, Hong Kong, Shanghai and Sydney.

DESCRIPTION

We are looking for people with the following:
— A good degree or certification in related discipline (architecture, computational design, civil engineering, etc.)
— Proven industry experience in parametric modeling, thermal and daylight analysis
— Proficiency in Rhino and Grasshopper, Ladybug and Honeybee, Radiance, EnergyPlus, Human UI and BHoM
— Good understanding of geometry
— Good English language communication skills and collaborative approach
— Working knowledge of AutoCAD

RESPONSIBILITIES

— Report to the Structures / Facades Team and Director
— Fast track development of early concept models in parametric format
— Develop digital workflows for delivery of complex projects from concept to completion
— Contribute to production of internal parametric tools and R+D initiatives
— Represent EOC at design team meetings
— Coordinate with architects and other engineering consultants as part of the team
— Use parametric and thermal software effectively and interpret the outputs well
— Apply theory to practice and in a logical way
— Highlight potential problems and look for a solution
— Review own and others' work as part of quality assurance
— Assist in creation of design presentations and reports

PREFERRED ATTRIBUTES

— A keen interest in digital design and parametric modelling
— Advanced skills in Rhinoceros and Grasshopper
— Good skills in graphical representation of conceptual designs
— Experience in at least one programming language - Python, C#, JavaScript, C++
— Able to prioritize workload, meet tight deadlines and work effectively with and within a team

WE OFFER

— A stimulating work environment with a smart, diverse and motivated set of colleagues
— Opportunities for continuing professional development including mentoring to chartership
— An internal training programme for employees at all levels
— Opportunities for career growth
— Collaboration opportunities with our international offices
— World-class projects with leading architects and collaborators