

Computational Designer

Reports to: Structures | Facade Lead and Director

Eckersley O'Callaghan is one of the most innovative engineering design firms in the world, with an international reputation cultivated through a commitment to research and innovation. 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 principal office is in London, with other offices in New York, Los Angeles, San Francisco, Paris, Manchester, Delhi-NCR, Hong Kong, Shanghai and Sydney. We enjoy working with a range of materials, forms and building types across diverse sectors and project scales to deliver imaginative solutions.

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.

We are looking for a candidate 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

Key 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

Job knowledge, skills and experience

- 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

Personal qualities

- Good organisational skills and the ability to cope with a variety of tasks
- A flexible, positive approach and the ability to work as part of a team in a busy, creative atmosphere
- Excellent interpersonal skills with the ability to communicate with people of all levels

Please email your CV and a covering letter with subject line 'EOC-IN-COM' to: recruitment@eocengineers.com