

3D Concrete Designer (Rhino/Grasshopper Specialist)

Company Description:

CC3D exists to serve local communities by providing creatively designed, efficiently built, sustainable 3-D printed homes. We are a fast-paced company seeking to reform the construction industry through pioneering the use of 3D printed concrete in our region.

Core Values:

Creative in design and construction. – CC3D will lead the building industry by developing and implementing creative solutions for building methods and will push the limits by re-defining design limitations.

Efficient use of technology, time, and materials. – CC3D will pioneer the use and development of new technologies in the construction industry to increase the efficiency of the building process.

Passionate to construct better quality of life. – CC3D will utilize building methods that have a low impact on the environment, maintain high quality, and create environments where families and communities will grow and thrive.

Key Responsibilities:

- Design complex, detailed 3D models for concrete printing using Rhino software.
- Utilize Grasshopper for algorithmic modeling and to automate repetitive design tasks.
- Collaborate with engineering and production teams to ensure designs are feasible for 3D printing.
- Optimize designs for structural integrity, aesthetics, and cost-effectiveness.
- Stay abreast of the latest trends in 3D printing and computational design.
- Participate in project meetings to understand client requirements and provide design solutions.
- Produce detailed documentation and presentations of design proposals.
- Troubleshoot design issues throughout the development and printing process.
- Provide technical guidance in the realm of 3D design and printing.

Qualifications:

- Degree in Architecture, Engineering, Design, or a related field.
- Proficiency in Rhino and Grasshopper is mandatory.
- Experience with 3D printing, specifically in concrete or construction materials.
- Strong understanding of architectural design, engineering principles, and construction techniques.
- Ability to work collaboratively in a team and communicate effectively.
- Detail-oriented with strong problem-solving skills.
- Familiarity with other CAD and computational design software is a plus.
- Portfolio showcasing previous design work, especially in 3D printed structures.

Job Type, Pay, and Benefits:

- Full-Time (40+ hours per week; shift work may be required at times)
- Hourly
- Health Insurance
- Dental Insurance
- Vision Insurance
- Disability Insurance
- Life Insurance
- 401k (with matching)
- Paid Time Off

CC3D is an equal opportunity employer.

How to Apply:

Email the following to lsquire@crainco.com.



CRAIN COMPANY 3D LLC

November 10, 2023

- Subject line of email should be:
 - *Your Name – CC3D Employment Application*
- Body of the email should include:
 - A brief bio introducing yourself.
 - Why are you applying?
 - What excites you about the potential job?
 - How does your experience and personality fit with the core values above?
- Resume (including work experience, education, skills, etc.)
- 3-5 Designs