Downloaded from <https://www.velvetjobs.com/job-descriptions/3d-engineer>

# Example of 3D Engineer Job Description

Our company is looking for a 3D engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for 3D engineer

* A relevant Bachelors/Masters Degree &/or equivalent experience in Computer Science, Software Engineering, Computer Systems Engineering, Mathematics, or other Degree with strong emphasis on software development or mathematical engineering
* Demonstrated computer vision and/or image/video processing experience
* The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks autonomously in support of scientific research
* Demonstrated ability & willingness to contribute novel ideas and approaches
* Designs portions of engineering solutions for mechanical parts, subsystems, integrated circuitry, and algorithms based on established engineering principles and in accordance with provided specifications and requirements
* Implements established test plans for existing designs, including validation of tolerances, form/fit/function, shock and vibration, safety, reliability, thermal generation, and fatigue
* Develops understanding of and relationship with internal and outsourced development partners on mechanical design and development
* Participates as a member of project team of other mechanical engineers and internal and outsourced development partners to develop reliable, cost effective and high quality solutions for low to moderately- complex products
* You are a full stack software engineer with a primary focus on large scale web services
* You provide technical leadership to the team with a focus on delivering large scale production services

## Qualifications for 3D engineer

* Excellent written and oral communication, problem solving and presentation skills
* Enthusiastic about seed-stage startups
* Proficiency in using 2D design applications
* Experience with scripting languages, Python, Perl, and Bash
* Solid foundation in computer vision
* Deep understanding of machine learning technology and experience on turning machine learning technologies into practical, state-of-the-art systems