STEM Careers Coalition™

Visualization Engineer

CAREER OUTLOOK [1]

Technology is always changing, and careers that change with it will always be in demand.

Job growth for data science and computer science careers, like **visualization engineer**, is projected to grow much faster than average!

Projected job growth:
31% (2020–2030)

Average salary range:
$98,230/year

Visualization is an emerging technology that helps scientists and engineers investigate physical systems virtually, often utilizing 3D technology, advanced computer-aided design (CAD) software, and virtual reality (VR). The field uses psychology, graphic arts, data management, computer science, and other skills to create simulations of events or systems.

WHAT IS A VISUALIZATION ENGINEER?

Visualization engineers are the professionals who create the simulations, models, VR environments, and reconstructions that allow others to visualize a system or event. They use critical thinking and modeling skills to aid in problem-solving or deconstruct system breakdowns. They assist others in thinking and seeing abstract concepts or events in three dimensions.

IS VISUALIZATION ENGINEER A GOOD CAREER FOR ME?

Visualization engineers are:

- innovative
- spatially aware
- technologically savvy
- lifelong learners
- attentive to details
- excellent communicators
- team players
- creative problem solvers

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[1] https://bit.ly/3gi1yTv

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Visualization Engineer

HOW DO I BECOME A VISUALIZATION ENGINEER?

You will need to:

- take classes in technology and computers.

- develop your communication and teamwork skills.

- study computer science and technology in college.

- get job experience working with emerging technologies such as augmented reality, VR, and CAD software.