Stanford



Abi Gandhi

Aerospace Prototyping Lab Manager, Aeronautics and Astronautics

Bio

BIO

I manage the Skilling Laboratory, a prototyping laboratory supporting hands-on instruction, technical skill development, and student design projects. I am proficient in photogrammetry, structured-light and LiDAR scanning, 3D reconstruction, and topographic data generation, as well as CAD/CAM integration and surface modeling for complex design workflows. Experienced in operating, calibrating, and maintaining a broad spectrum of fabrication equipment—including additive and subtractive systems such as FDM/FFF, SLA, SLS, MJP 3D printers, CNC milling, and precision laser cutting—while ensuring compliance with laboratory safety standards. I am skilled in developing and optimizing automated workflows, coordinating multi-instrument research environments, and mentoring students and researchers to translate conceptual designs into functional prototypes.

CURRENT ROLE AT STANFORD

Aerospace Prototyping Lab Manager, Aeronautics and Astronautics

Professional

SKILLS AND EXPERTISE

Administrative Operations

- Adobe Creative Suite

Information Technology

- Augmented/Virtual/Mixed Reality (AR/VR/MR)
- Digital Preservation
- Digitization
- Lab Technologies
- Linux