



Ascent Fabrication 3D Printing Technician

Job Title: 3D Printing Technician, entry-level

Status: Part-Time, up to 20-25 hours per week, weekends as needed

Pay: \$15.00/hour, paid bi-weekly

Reports To: Joe Fairley, Founder, CEO, Certified Prosthetist

Location: Onsite - 480 Broadway, Suite LL14, Saratoga Springs, NY 12866

Job Overview:

The 3D Printing Technician will be responsible for the operation and maintenance of several 3D printers. This may include but is not limited to: basic CAD operations, usage of slicer software to create .gcode, full operation and troubleshooting of the 3D printers, maintain and track raw material inventory, and post-processing of 3D printed parts. This position is not dependent on prior experience, but if a candidate does have prior experience, that will be prioritized.

Responsibilities & Duties:

The 3D Printing Technician will:

- Utilize an assortment of slicer softwares to prepare 3D scans, edit, and create 3D print settings in the form of: .gcode, .factory, .ini, or similar file type
- Prepare a 3D printer by loading filament, prepare the bed surface, and verify particular hardware is in place for a successful print
- Clean and maintain the integrity of the 3D printer parts, and order new parts as needed
- Post process a 3D print by removing any support material, utilize a grinding/buffing machine when necessary
- Prepare, box up, and ship out finished parts via UPS, FedEx, etc.
- Track and maintain raw material (spooled filament) inventory, order more as necessary
- Be able to read a work order, follow instructions and strict quality control guidelines
- Be able to document their work on a log sheet in a coherent and logical manner
- Work independently and efficiently

Qualifications:

(Required) A genuine interest in 3D printing and CAD

(Highly Suggested) Concurrent or completed Bachelor's Degree in any of the following: Physics, Biology, Chemistry, Mathematics, Engineering, Health Sciences, Art, or similar



Knowledge of the following fields is a plus: 3D Printing/Additive Manufacturing, 3D Scanning, Coding, Prosthetics & Orthotics

Experience with the following software is a plus: Autodesk Fusion 360, Autodesk Meshmixer, Solidworks, PrusaSlicer, Cura, Simplify3D, Ideamaker

Equipment & Software:

Equipment Needed -

- Personal Laptop
- Personal Mouse

Software Provided -

- Autodesk Fusion 360
- Autodesk Meshmixer
- PrusaSlicer
- Cura
- Simplify3D
- Ideamaker
- Google Drive, Sheets, Docs, Email
- Trello, project management
- Quickbooks, time-keeping/HR