April 30, 2018

SpaceX Manufacturing and Production Engineering

Dear Sir or Madam.

I believe my skills and experience match those requested in your posting for a manufacturing engineer.

While leading the new airframe project for over two years in the Portland State Aerospace Society, I have:

- created designs and manufacturing procedures for metal and composite parts;
- written, revised, and fulfilled various subsystem requirements for our rocket and cubesat projects;
- managed limited resources to solve mission-critical problems on schedule;
- taken projects from loose design constraints to tested, flyable parts and procedures;
- written technical procedures for other engineers, informational posters for the general public, and a conference paper;
- prototyped designs using CNC mills, 3D printers, laser cutters, and handlaid composites;
- directed projects for the rocket and cubesat, collaborating between engineering disciplines and mentoring younger students.

For more information, please visit my website and portfolio or contact me (shields6@pdx.edu). Feel free to contact Andrew Greenberg (adg@ece.pdx.edu) or Erin Schmidt (esch2@pdx.edu) as references.

I'm eager to contribute to the aerospace industry and increase the accessibility of space, so thank you for considering my application. I look forward to your response.

Sincerely, Joe Shields