

18390 NE 68th St.  
Redmond, WA 98052

August 14, 2017

SpaceX Satellite Development

Dear Sir or Madam,

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

While leading the new airframe project for the Portland State Aerospace Society, I have:

- written, revised, and fulfilled various subsystem requirements for our rocket and cubesat projects;
- 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 hand-laid 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](mailto:shields6@pdx.edu)). Feel free to contact Andrew Greenberg ([adg@ece.pdx.edu](mailto:adg@ece.pdx.edu)) or Erin Schmidt ([esch2@pdx.edu](mailto: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