

2224 Bay Area Blvd.  
Houston, TX 77058

March 28, 2017

Jacobs Clear Lake Group

Dear Sir or Madam,

I believe my skills and experience strongly match those requested in your posting for an Orion parachute flight simulation analyst. In addition to degrees in mechanical engineering and physics, I have specific skills relevant to your needs. While leading the new airframe project for the Portland State Aerospace Society, I have:

- verified airframe characteristics using simulations in C++ (Open-FOAM);
- written, revised, and fulfilled various subsystem requirements for our rocket and cubesat projects;
- written technical procedures for other engineers, informational posters for the general public, and a [conference paper](#);
- directed projects for the rocket and cubesat, collaborating between engineering disciplines and mentoring younger students.

I use a Linux environment on a daily basis and am proficient in MATLAB, Python, and R. Please visit my [website](#) and [portfolio](#) for examples, and 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, so thank you for considering my application. I look forward to your response.

Sincerely,  
Joe Shields