

Hi my name is James Francis and I would like to work on the following project for the Google Summer of Code:

Runtime Frameworks: Provide ShrinkWrap with Export to: RPM, ISO, RAR, BZIP Formats

Mentor: Andrew Rubinger

1. My email address is francis.jamesii@gmail.com, also I prefer iMessage, as far as messaging clients is concerned. If you use that platform for messaging my phone number is: 8325789547
2. No Webpage or Blog, but I could make one if it is required or would increase the likelihood that this proposal is accepted.
3. Current CS Major, 4.0 CS GPA. Currently taking a Data Structures Course, and Computer Organization & Architecture Course(Advanced Java Programming and C programming are covered in these courses, respectively. Course material isn't necessarily specific to these languages) Additionally have taken mathematics up through Calculus 2, and currently enrolled in an honors statistics course. My school isn't known for its CS program, and our CS department is a part of STEM on our campus now.(previously business) As such I want to be able to grow the CS department of my school once I graduate and grow the network of potential internships for future students. In order to accomplish this I need to work on extra material outside of my coursework and make myself available to those whom I could help. (probably tldr, sorry!)
4. Added functionality in terms of: exporting in RPM, ISO, and/or RAR format, as well as a filter to provide BZIP compression.
5. By setting aside each day for research, documentation, and coding. Additionally not trying to overload myself and asking for help when/where appropriate.
6. Shrinkwrap would be the first project of a larger scope than anything I have worked on so far. With that said, potential deliverables could be:
 1. Framework of the project, prerequisites for addition of formats into the export feature
 2. "Shell" export types with documentation detailing what will be contained in each type. I'm approaching this from an object oriented, class, perspective.
 3. Updated documentation, and code as -working- implementations of functions and methods are achieved.
 4. Piece-wise completion of the project, one export format at a time.
7. As a user I have had the pleasure of using some great software: Libre Office, Open Office, Eclipse, VLC and the list is definitely longer, but these are the first few that come to mind. I have never contributed to an open source project before.
8. As it stands currently I am on the hunt for an Internship for the summer (I will not seek out an internship if accepted for this project), and I will be grading, part-time for the CS department of my university, 8 or so hours a week, but nothing that would prevent me from dedicating time to this project.
9. I would like to showcase the functionality described in #4 and if there is time left over from completing the project proposed. If there is any additional time after the project is complete bug fixes and improvements to efficiency would also be showcased.

Additionally I'm in the GMT -6 (Central Timezone) so any real time co-ordination would be a non-issue, in that regard.

