Budget Justification

William A. Stein

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A. Senior Personnel

- The PI will be employed 51% time by SageMath, Inc. as CEO, and will direct the project and do a large amount of engineering work on it. He will receive a salary of $6667/month.

B. Other Personnel

- *Other Professionals (Technicians, etc.):* The company plans to hire (at $45/hour) one part-time non-student to work on this project, possibly a Sage developer who wants to take time off from teaching to develop software.

- *Graduate Students:* The company plans to hire 2 graduate students at an hourly rate of $25/hour to help implement the software. There are numerous experienced senior Sage developer graduate students at University of Washington, including Andrew Ohana, Travis Scholl, and Hao Chen, who are all interested in working on the project. We estimate these employees will work an average of 20 hours per week.

- *Undergraduate Students:* The company plans to hire 2 undergraduate students at an hourly rate of $25/hour to help implement the software. There are several undergraduates, including Jon Lee and Nicholas Ruhland who have worked extensively on SageMathCloud (and are working on SageMathCloud fulltime during Summer 2015), who the company might hire. We estimate these employees will work an average of 15 hours per week.

C. Fringe Benefits

None

D. Equipment

None

E. Travel

The PI is requesting funds for domestic travel so that he and an employee or consultant of SageMath, Inc. can attend a two-day Grantee Conference in the DC area. The budget is $2000/person.

The PI will attend the grantee workshop.

F - Participant Support Costs

None.

G. Other Direct Costs

G.3. Consultant Services

G.4 - Computer Services

The PI is requesting additional cloud computing support to offset the computational demands from increased server load due to testing the service and development and testing servers. The estimated extra cost will be $1,500/month for 6 months.