**R. Jordan Crouser**

**Smith College**

**Budget Justification**

**Personnel**

We have budgeted 1 months of summer salary for PI R. Jordan Crouser. A summer month is calculated as 1/9 of academic year salary. Fringe benefits are calculated at 16.7% in year one.

A major focus of this proposal is to involve undergraduates in research. Towards this goal, four summer students will be recruited to work on the project (2 summer, 2 academic year). The hourly rate is calculated at $10/hr for the fall term (336 hours), and $11/hr for the spring (336 hours) and summer terms (400 hours). The results is a total cost of $3,528 per academic year student, and $4,400 per summer student. Fringe benefits are calculated at 7.2% for the summer period only.

**Travel**

It is expected that the PI will attend the AIM Streaming Analytics workshop or related meetings in support of this effort. Additionally, the PI and one or two students will be required to travel to PNNL approximately quarterly for in-person meetings regarding this effort. Travel is budgeted for these purposes at $7,018. Costs are estimated as follows:

Airfare - BOS to PSC (x4) = $3200

Lodging – 3 nights in Red Lion Richland (x4) = $1440

Airfare – BDL to RDU for AIM Workshop = $400

Lodging – 4 nights in DoubleTree = $520

Per Diem/Meals & Incidentals – 18 days x 46 = 828

Rental Car (18 days @ $35/day) $630

**Participant Support Costs**

In order to facilitate the development of a theoretical model for human performance in streaming analytical contexts, it will be necessary to recruit participants for various user studies throughout the course of this effort. These user studies may involve Amazon Mechanical Turk, laboratory studies, or a combination of both. Funds requested under “Participant Support Costs” will be used to fairly compensate participants for their time.

**Indirect costs**

Indirect costs are calculated at 52.5% of salary and wages in accordance with Smith College’s federally negotiated rate agreement.

**Total:**

Direct costs: $36,976 over 9 months

Indirect costs: $13,034 over 9 months

Grand total: $50,010 over 9 months