Budget:

Graduate student salary	$36,833
Graduate student health insurance	$3,130
Graduate student health fees	$1,142
Undergraduate student – summer	$6,300
Travel	$2,500
Total:	$49,905

Justification:

Funds are requested for one FT graduate student (salary, health insurance and fees) and one PT undergraduate student to work on the design+implementation of the proposed Alto system. The graduate student will perform a literature review, help the PIs to design the Alto architecture, and then build an Alto prototype by extending a preexisting managed runtime like V8. The undergraduate student will assist the graduate student, with a focus on designing and implementing applications that will run atop the Alto platform.

Graduate student costs are projected from the current FY18 established rates at the School of Engineering and Applied Sciences (SEAS) with a standard 3% cost of living escalation for FY19. Funds for undergraduate summer help are estimated at the following:

$15/hour * 35 hours/week * 12 weeks (3 summer months) = $6,300

Funds are also requested for 1 domestic trip to the OSDI 2018 conference, with the following estimated cost breakdown:

700 registration + 400 airfare + 900 lodging + 350 meals/incidentals + 150 ground transportation = $2,500

OSDI is the premier conference about the design of complex software systems. The PIs hope to present a poster there, to receive preliminary feedback on the proposed work.