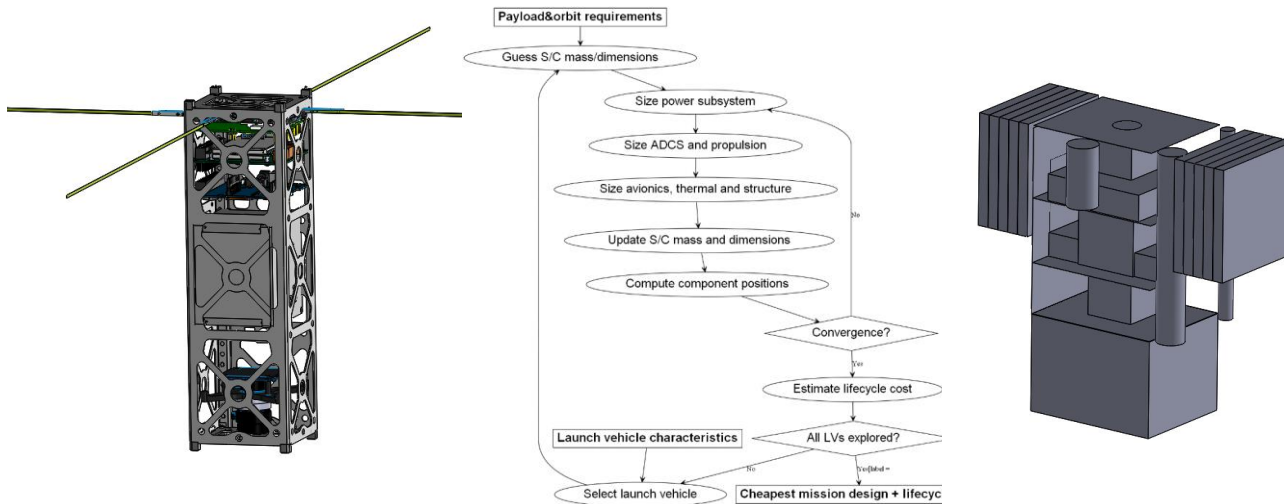


MAE Meng project offerings in satellite mission design – Fall 2015

Do you like **programming** AND **space**?

We are looking for **1 motivated Meng student in MAE** to participate in the development of an intelligent software tool used to design satellite missions. This software is like an expert satellite mission designer, except it can propose and evaluate thousands of different satellite constellations per day! The selected candidate will be in charge of improving the fidelity of the **structures and thermal subsystems model**.



Qualifications

- Solid engineering skills, particularly in basic mechanics and thermodynamics
- Excellent programming skills (at least 1 scripting language such as Matlab or Python and 1 object-oriented language such as Java or C++)
- Ability to work autonomously and in a team
- Experience with a functional programming language or a rules engine is a plus but not required
- Knowledge about spacecraft design is a plus but not required
- Experience with CAD is a plus but not required

Application Instructions

E-mail Prof. Selva (ds925@cornell.edu) with the following materials:

- Updated CV
- Unofficial transcript
- Short paragraph indicating your motivation
- Level of effort (number of credits desired)

More info: Research group website: <http://www.selva-research.com>

