Project student will be supporting:

Space Weather Research Using Small Satellites and Remote Sensing

Sponsor:

Prof. Semeter

Hours per week

5 to 10 hours per week during school year; minimum of 20 hours per week summer & full time available for outstanding students

Paid?

Yes

Job description

Solar disturbances propagating into Earth's near space environment can have profound effects on communication systems, satellite technology, power grids, and astronaut safety. Boston University has an ongoing program to develop miniature Earth-orbiting satellites ("cubesats") to study "space weather" and its impacts on society. Successful development of a spacecraft requires expertise across a broad range of areas, including software (embedded systems), electronics, sensors, communications, power engineering, and orbital mechanics. A complementary research program involves the development of ground-based remote sensing technologies such as radar and optical imaging.

Qualifications:

We are looking for enthusiastic students to join our team.