



Research Associate (full-time, 35 hours/week)
Department of Electrical Engineering and Computer Science
RA-JV

Position Summary: The Department of Electrical Engineering and Computer Science has an immediate opening for a Research Associate. Will apply mathematical formula, principles, and methodology technology to test infrastructure of the communications system that will be used for flight and will connect the Earth system and the telescope in space.

Essential Responsibilities Include: Will code servo-mechanical motors used to accurately move the mirrors of the telescope in order to look at the desired stars. Code the GPS system used in order to position and track the telescope during balloon flight. Design and test more than 100 thermometers distributed across the payload. Will monitor temperature in space for heat dissipation and material behavior. Design the required battery capacity to run the whole system. Will also, program a battery-level monitoring system that will tell the available battery charge during flight.

Minimum Qualifications: Must have 6 months of experience related to space telemetry. Requires a Master Degree or foreign degree equivalent in Electrical Engineering.

How to apply: forward application, resume, and cover letter
To: The Catholic University of America.

Attn: Angela Davis, 620 Michigan Ave., NE, Washington, DC 20064. Must ref job title & code: RA-JV

All applicants must be supportive of the mission and vision of *The Catholic University of America*.

THE CATHOLIC UNIVERSITY OF AMERICA

Office of Human Resources, 170 Leahy Hall
620 Michigan Avenue, NE
Washington, D.C. 20064
(202)319-5050 FAX (202)319-5802