Job Description

Engineering Intern – Guidance, Navigation, and Control Sensor Integration

Atomos Space is a venture-funded startup in Denver, CO seeking to reduce the cost of access to space by developing orbital transfer vehicles (OTVs) to solve the “last mile” problem in Earth orbit. As an intern, you will assist a small, dynamic team with integration of the sensors planned for the Guidance, Navigation, and Control (GNC) of a rendezvous-centric spacecraft. This is a virtual internship, as the team is currently all working from home due to COVID-19. This may change, but the baseline internship will be remote. You can work from wherever you are in the US, but the schedule will be based on Mountain Daylight Time.

Responsibilities

- Develop software to communicate with sensors during integration efforts
  - Ground test software for determining sensor characteristics/capabilities
  - Potentially vehicle flight software for communicating with sensor in flight
- Work with the GNC lead to characterize sensor performance
  - Implement simulation model for the sensor in Atomos simulation
- Participate in systems engineering activities as needed
- Other projects as/if they arise

Qualifications

- Experience in C/C++ development
- Demonstrated experience with sensor integration (experience in similar industries such as the automotive industry is also acceptable)
- Experience developing software to communicate with sensors during integration efforts
- Experience in the automotive, industrial manufacturing, or similar industries is considered equivalent to experience in the aerospace industry
- Current Junior, Senior, or grad student in Electrical Engineering, Electrical and Computer Engineering, or Computer Science
- US Person*

Desired Experience

- Experience with integration (hardware/software) of cameras and rangefinders
- Experience developing test plans and operations for hardware integration efforts
  - Direct experience on analog/digital sensor integration is a plus

Logistical Information

Start date: TBD (likely May 2021)
Duration: Flexible, three months preferred
Location: USA

Please submit resumes or CVs to scott@atomosspace.com with the following subject line format: [GNC Sensor Integration Internship] Last Name, First Name.
*NOTE: This position is subject to Export Control Laws (U.S. State Department regulations at 22 C.F.R. Subchapter M and the U.S. Department of Commerce's Export Administration Regulations found in 15 C.F.R. Part 730). If you are not (a) a citizen of the United States; (b) a lawful permanent resident of the United States; or (c) a person admitted into the United States as an asylee or refugee and wish to be considered for a position not subject to Export Control Law, please email info@atomosspace.com.