Job Description
Engineering Intern – Guidance, Navigation, and Control Aerospace

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 development of the Guidance, Navigation, and Control (GNC) software for 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
- Update/upgrade existing code library, including developing new modules
  - Rangefinder module, lidar module, camera/Vizard interface module, low-thrust propulsion upgrades
- Participate in systems engineering activities
- Other projects as/if they arise

Qualifications
- Demonstrated experience in working with GNC software/algorithms, spacecraft dynamics/kinematics, or both (experience in similar industries such as the automotive industry is also acceptable)
- Experience coding in Python, including developing modules for Python programs
- Current Junior, Senior, or grad student in Aerospace Engineering or similar degree
- US Person*

Desired Experience
- Experience in C/C++ development
- Experience with computer-vision systems or Kalman filters
- Experience with the Basilisk software package developed at the University of Colorado

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 Aerospace 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.